



Db 121 RPDILKLKPTDNQTKKPCETIYIMPDKGSTATDITGPILQSPDEDEPENYAGEPVAKAYAV 180  
 Qy 181 DVVEVVEKSESSWWFCOMKAKGWIPASFLPLQSPDEDEPENYAGEPVAKAYAV 240  
 Db 181 DVVEVVEKSESSWWFCOMKAKGWIPASFLPLQSPDEDEPENYAGEPVAKAYAV 240  
 Db 241 EGDEVSLLIEAVEVTHKLGDWKDDVTVGKPSMQLQKSQDVSAQRQIKRGAPRSS 300  
 Qy 241 EGDEVSLLIEAVEVTHKLGDWKDDVTVGKPSMQLQKSQDVSAQRQIKRGAPRSS 300  
 Db 241 EGDEVSLLIEAVEVTHKLGDWKDDVTVGKPSMQLQKSQDVSAQRQIKRGAPRSS 300  
 Qy 301 IRNAHSIHKRSKRQLSDAYRNSVRFQORRQARPQSPGSLEEROTRSKQPA 360  
 Db 301 IRNAHSIHKRSKRQLSDAYRNSVRFQORRQARPQSPGSLEEROTRSKQPA 360  
 Qy 361 VPPRPSADLILNRCSESTKRLASAV 386  
 Db 361 VPPRPSADLILNRCSESTKRLASAV 386  
 Result 2  
 US-10-767-341-2  
 ; Sequence 2, Application US/10767341  
 ; Publication No. US20040132084A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: SHAO, Wei et al.  
 ; TITLE OF INVENTION: ISOLATED HUMAN ENZYME PROTEINS, NUCLEIC ACID MOLECULES ENCODING HUMAN ENZYME PROTEINS, AND USES  
 ; TITLE OF INVENTION: THEREOF  
 ; FILE REFERENCE: CLO01198D1V-II  
 ; CURRENT APPLICATION NUMBER: US/10/767,341  
 ; PRIORITY FILING DATE: 2004-01-30  
 ; PRIORITY NUMBER: 09/820,005  
 ; PRIORITY FILING DATE: 2001-03-29  
 ; PRIORITY NUMBER: 10/109,856  
 ; PRIORITY FILING DATE: 2002-04-01  
 ; NUMBER OF SEQ ID NOS: 4  
 ; SOFTWARE: FastSEQ for Windows Version 4.0  
 ; SEQ ID NO: 2  
 ; LENGTH: 386  
 ; TYPE: PRT  
 ; ORGANISM: Homo sapiens  
 ; US-10-767-341-2

Query Match 100.0%; Score 2035; DB 16; Length 386;  
 Best Local Similarity 100.0%; Pred. No 2 2e-162; Indels 0; Gaps 0;  
 Matches 386; Conservative 0; Mismatches 0; Gaps 1;

Db 1 MGDTFIRHIALLGFEKRFVPSOHYYMFLYKQWDLSEKYYRRFETIYEPHTKIKEMFPI 60  
 Qy 1 MGDTFIRHIALLGFEKRFVPSOHYYMFLYKQWDLSEKYYRRFETIYEPHTKIKEMFPI 60  
 Db 1 MGDTFIRHIALLGFEKRFVPSOHYYMFLYKQWDLSEKYYRRFETIYEPHTKIKEMFPI 60  
 Qy 61 EAGAINPENRILPHIPAKWMDGQAAENRQGTLEYCSTLMSLFTKISRCPHLDFPFKV 120  
 Db 61 EAGAINPENRILPHIPAKWMDGQAAENRQGTLEYCSTLMSLFTKISRCPHLDFPFKV 120  
 Qy 121 RPDDLKLPNOTKCPETYLMPDKGKSTATDITGPILQTYRAANYEKTSGSEMAALSTG 180  
 Db 121 RPDDLKLPNOTKCPETYLMPDKGKSTATDITGPILQTYRAANYEKTSGSEMAALSTG 180  
 Qy 181 DVVEVVEKSESSWWFCOMKAKGWIPASFLPLQSPDEDEPENYAGEPVAKAYAV 240  
 Db 181 DVVEVVEKSESSWWFCOMKAKGWIPASFLPLQSPDEDEPENYAGEPVAKAYAV 240  
 Qy 241 EGDEVSLLIEAVEVTHKLGDWKDDVTVGKPSMQLQKSQDVSAQRQIKRGAPP 296  
 Db 241 EGDEVSLLIEAVEVTHKLGDWKDDVTVGKPSMQLQKSQDVSAQRQIKRGAPP 300  
 Qy 297 RSSIRNAHSIHKRSKRQLSDAYRNSVRFQORRQARPQSPGSLEEROTRSK 356  
 Db 301 RSSIRNAHSIHKRSKRQLSDAYRNSVRFQORRQARPQSPGSLEEROTRSK 360  
 Qy 357 POPAVPPRPSADLILNRCSESTKRLASAV 386  
 Db 361 POPAVPPRPSADLILNRCSESTKRLASAV 390

Result 4  
 US-10-109-856-4  
 ; Sequence 4, Application US/10109856  
 ; Publication No. US20030166185A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: SHAO, Wei et al.  
 ; TITLE OF INVENTION: ISOLATED HUMAN ENZYME PROTEINS, NUCLEIC ACID MOLECULES ENCODING HUMAN ENZYME PROTEINS, AND USES  
 ; TITLE OF INVENTION: THEREOF  
 ; FILE REFERENCE: CL001198D1V  
 ; CURRENT APPLICATION NUMBER: US/10/109,856  
 ; CURRENT FILING DATE: 2002-04-01  
 ; PRIOR APPLICATION NUMBER: 09/820,005  
 ; PRIOR FILING DATE: 2001-03-29

NUMBER OF SEQ ID NOS: 4  
; SOFTWARE: Fast-SEQ For Windows Version 4.0  
; SEQ ID NO 4  
; LENGTH: 390  
; TYPE: PRT  
; ORGANISM: Homo sapien  
; US-10-109-856-4

Query Match, 99.2%; Score 2018; DB 14; Length 390;  
Best Local Similarity 98.7%; Prd. No. 6e-161; Indels 4; Gaps 1;  
Matches 385; Conservative 1; Mismatches 0;

Qy 1 MGDTPIRHIALLGFKEKRPVPSQHYYMFLVKWQDLSEKVYVRFTEIYEFKTLKEMPF 60  
Db 1 MGDTPIRHIALLGFKEKRPVPSQHYYMFLVKWQDLSEKVYVRFTEIYEFKTLKEMPF 60

Qy 61 EAGAINPENRRIPHLPAPKWFDCQRAAENROGTLTEYCSIMSLPLTKISRCPHLLDFKV 120  
Db 61 EAGAINPENRRIPHLPAPKWFDCQRAAENROGTLTECIMSLPLTKISRCPHLLDFKV 120

Qy 121 RPDKLPTDNOTKPKETYLMPDKGKSTATDTGPILQLQTYRAIANYETGSSEMASTG 180  
Db 121 RPDKLPTDNOTKPKETYLMPDKGKSTATDTGPILQLQTYRAIANYETGSSEMASTG 180

Qy 181 DVEVVEKSESGWFCOMKAKRGWIPASFLEPLDSDPDETEDEPNNYAGEPYAIKAYTAV 240  
Db 181 DVEVVEKSESGWFCOMKAKRGWIPASFLEPLDSDPDETEDEPNNYAGEPYAIKAYTAV 240

Qy 241 EGDBVSILEGEAVEVIHKLDGW---KDDVTGYFPMSYMLQKSQDYSQAQROIKRGAPP 296  
Db 241 EGDBVSILEGEAVEVIHKLDGW---KDDVTGYFPMSYMLQKSQDYSQAQROIKRGAPP 300

Qy 297 RSSIRNAHSIHORSRKLSQDAYRNSVRFLQQRROARPGQSPSSPLEEROTRSK 356  
Db 301 RSSIRNAHSIHORSRKLSQDAYRNSVRFLQQRROARPGQSPSSPLEEROTRSK 360

Qy 357 PQAVPPRPSADLILNRCSEESTKRKLASAV 386  
Db 361 PQAVPPRPSADLILNRCSEESTKRKLASAV 390

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RESULT 5  
US-10-418-036-18  
; Sequence 18, Application US/10418036  
; Publication No. US20030225117A1  
; GENERAL INFORMATION:  
; APPLICANT: Gronberg, Alvar  
; APPLICANT: Wikstrom, Per  
; TITLE OF INVENTION: NEW USB  
; FILE REFERENCE: 13425-110001  
; CURRENT APPLICATION NUMBER: US/10/418, 036  
; CURRENT FILING DATE: 2003-04-17  
; PRIOR APPLICATION NUMBER: SE 0201152-6  
; PRIOR FILING DATE: 2002-04-17  
; PRIOR APPLICATION NUMBER: US 6/0/410, 626  
; PRIOR FILING DATE: 2002-09-13  
; NUMBER OF SEQ ID NOS: 27  
; SOFTWARE: Fast-SEQ For Windows Version 4.0  
; SEQ ID NO 18  
; LENGTH: 390  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
; US-10-418-036-18

Query Match, 99.2%; Score 2018; DB 15; Length 390;  
Best Local Similarity 98.7%; Prd. No. 6e-161; Indels 4; Gaps 1;  
Matches 385; Conservative 1; Mismatches 0;

Qy 1 MGDTPIRHIALLGFKEKRPVPSQHYYMFLVKWQDLSEKVYVRFTEIYEFKTLKEMPF 60  
Db 1 MGDTPIRHIALLGFKEKRPVPSQHYYMFLVKWQDLSEKVYVRFTEIYEFKTLKEMPF 60

Qy 61 EAGAINPENRRIPHLPAPKWFDCQRAAENROGTLTEYCSIMSLPLTKISRCPHLLDFKV 120

Qy 181 DVEVVEKSESGWFCOMKAKRGWIPASFLEPLDSDPDETEDEPNNYAGEPYAIKAYTAV 240  
Db 181 DVEVVEKSESGWFCOMKAKRGWIPASFLEPLDSDPDETEDEPNNYAGEPYAIKAYTAV 240

Qy 241 EGDBVSILEGEAVEVIHKLDGW---KDDVTGYFPMSYMLQKSQDYSQAQROIKRGAPP 296  
Db 241 EGDBVSILEGEAVEVIHKLDGW---KDDVTGYFPMSYMLQKSQDYSQAQROIKRGAPP 300

Qy 297 RSSIRNAHSIHORSRKLSQDAYRNSVRFLQQRROARPGQSPSSPLEEROTRSK 356

RESULT 7

US-10-767-341-4

Sequence 4, Application US/10767341

Publication No. US20040132084A1

GENERAL INFORMATION:

APPLICANT: SHAO, Wei et al.

TITLE OF INVENTION: ISOLATED HUMAN ENZYME PROTEINS, NUCLEIC ACID MOLECULES ENCODING HUMAN ENZYME PROTEINS, AND USES THEREOF

FILE REFERENCE: CLO0119DIV-II

CURRENT APPLICATION NUMBER: US/10/767-341

PRIOR FILING DATE: 2004-01-30

PRIOR APPLICATION NUMBER: 09/820,005

PRIOR FILING DATE: 2001-03-29

PRIOR APPLICATION NUMBER: 10/109,856

PRIOR FILING DATE: 2002-04-01

NUMBER OF SEQ ID NOS: 4

SEQUENCE: FastSEQ for Windows Version 4.0

SEQ ID NO: 4

LENGTH: 390

TYPE: PRT

ORGANISM: Homo sapiens

US-10-767-341-4

Query Match 99.2%; Score 2018; DB 16; Length 390;

Best Local Similarity 98.7%; Pred. No. 6e-161; Indels 0; Gaps 1;

Matches 385; Conservative 1; Mismatches 0; Indels 4; Gaps 1;

Query 1 MGDTFIRHIALGFKEKRVPSQHYYMFLVKWQDLSEKVVYRFTIEFHTKLKEMFP1 60

Db 1 MGDTFIRHIALGFKEKRVPSQHYYMFLVKWQDLSEKVVYRFTIEFHTKLKEMFP1 60

Qy 61 EAGAINPENRIPHLPKWDGQRAENRQGLTLEYCSTLMSLPTKISRCPHLDFFKV 120

Db 61 EAGAINPENRIPHLPKWDGQRAENRQGLTLEYCSTLMSLPTKISRCPHLDFFKV 120

Qy 121 RPDILKPTDQNQTKKPETYLMPKDGKSTATDTGPIIQLQTIAEYKTSGSEMAListGroup 180

Db 121 RPDILKPTDQNQTKKPETYLMPKDGKSTATDTGPIIQLQTIAEYKTSGSEMAListGroup 180

Qy 121 RPDILKPTDQNQTKKPETYLMPKDGKSTATDTGPIIQLQTIAEYKTSGSEMAListGroup 180

Db 121 RPDILKPTDQNQTKKPETYLMPKDGKSTATDTGPIIQLQTIAEYKTSGSEMAListGroup 180

Qy 181 DVVEVVEKSESGMWFCKAKRGWIPASFLPBDSPDETEDEPNYAGEPYVAIKAYTAV 240

Db 181 DVVEVVEKSESGMWFCKAKRGWIPASFLPBDSPDETEDEPNYAGEPYVAIKAYTAV 240

Qy 241 EGDEVSLLGEAVEVIHKLQDGW---KDDVTGYFPMYLOKSGDQYSQAQRQIKRGAPP 296

Db 241 EGDEVSLLGEAVEVIHKLQDGW---KDDVTGYFPMYLOKSGDQYSQAQRQIKRGAPP 296

Qy 297 RSSIRNAHSIIHRSRKLSQLDAYRNNSVRFQQRQARPPQSPSPLEBERQTKS 356

Db 301 RSSIRNAHSIIHRSRKLSQLDAYRNNSVRFQQRQARPPQSPSPLEBERQTKS 356

Qy 357 PQAVPPRPSADLILNRCSESTRKLASAV 386

Db 361 PQAVPPRPSADLILNRCSESTRKLASAV 390

RESULT 8

US-10-437-427-7

Sequence 7, Application US/10437427

Publication No. US20040009901A1

GENERAL INFORMATION:

APPLICANT: Rikard Holmdahl

TITLE OF INVENTION: Autoimmune Conditions and NADPH Oxidase

FILE REFERENCE: 11145-024001

CURRENT APPLICATION NUMBER: US/10/437-427

PRIOR FILING DATE: 2003-05-13

PRIOR APPLICATION NUMBER: US 60/380,904

PRIOR FILING DATE: 2002-05-13

PRIOR APPLICATION NUMBER: US 60/429,609

NUMBER OF SEQ ID NOS: 8

SOFTWARE: FastSEQ for Windows Version 4.0

SEQ ID NO: 4

LENGTH: 389

TYPE: PRT

ORGANISM: Rattus norvegicus

US-10-437-427-4

GENERAL INFORMATION:

APPLICANT: Peter Olafsson

TITLE OF INVENTION: Autoimmune Conditions and NADPH Oxidase

Query Match Score 1696.5; DB 15; Length 389;  
 Best Local Similarity 81.3%; Pred. No. 6.2e-134; Indels 7; Gaps 3;  
 Matches 318; Conservative 34; Mismatches 32; Indels 7; Gaps 3;

Qy 1 MGDTFIRHIALGFEKRVPSOHYVYMFVWKNDLSEKVVRFRTELYEFHKTLCMFP I 60  
 Db 1 MGDTFIRHIALGFEKRVPSOHYVYMFVWKNDLSEKVVRFRTELYEFHKTLCMFP I 60

Qy 61 EAGAINPERRIIPHLPAPKWFQDRAAENRQGTLYECSLMLPTKSRCPHLLDPFK V 120  
 Db 61 EAGEHTERNVPHLPAPWYDQRAAENRQGTLYECSLMLPTKSRCPHLLNEFKV 120

Qy 121 RPDQLKLPTDNQTKPETYLMPKDGKSTATDTGPIILQTYRAIANTEKTSSEMA LSTG 180  
 Db 121 RPDQLKLPTDNQTKPETYLMPKDGKSTATDTGPIILQTYRAIANTEKTSSEMA LSTG 180

Qy 181 DVYEVVKSESGMWFCOMKAKGWIPLASFLPDLSPDETEDPEPNYAGEPYAIKAYTAV 240  
 Db 181 DVYDVVKSESGMWFCOMKAKGWIPLASFLPDLSPDETEDPEPNYAGEPYAIKAYTAV 240

Qy 241 EGDEVSLLGEAVEVIHKLDGW---KDVTGYFPMSYQDVSQAQROIK-RGAP 295  
 Db 241 EGDEVSLLGEAVEVIHKLDGW---KDVTGYFPMSYQDVSQAQROIK-RGAP 295

Qy 296 PRSSTIRNAHSTHORSRKRLSDAYRNSVRQLQRRRQARQPSPQSPOSPLERQTORS 355  
 Db 301 PRSSTIRNAQSIHORSRKRLSDQTYRNSVRQLQRRRQARQPSPQSPOSPLERQTORS 355

Qy 356 KQPAVPPRPSADLILNRCSBTKRKLASAV 386  
 Db 359 KQPAVPPRPSADLILNRCTESTKRLTSAV 389

RESULT 11  
 US-10-202-724-4

Qy ; Sequence 4, Application US/10202724  
 Db ; Publication No. US20030108975A1

Qy ; GENERAL INFORMATION:  
 Db ; APPLICANT: Warner Lambert Company  
 Qy ; TITLE OF INVENTION: Method for the screening of compounds that inhibit the  
 Db ; domain-comprising peptide and a SH3  
 Qy ; TITLE OF INVENTION: domain-comprising peptide  
 Db ; FILE REFERENCE: HTTRF-SH3 Domains - Warner Lambert  
 Qy ; CURRENT APPLICATION NUMBER: US/10/202,724  
 Db ; NUMBER OF SEQ ID NOS: 4  
 Qy ; SOFTWARE: PatentIn Ver. 2.1  
 Db ; SEQ ID NO 4  
 Qy ; LENGTH: 134  
 Db ; TYPE: PRT  
 Qy ; ORGANISM: Homo sapiens  
 US-10-202-724-4

Query Match Score 673; DB 14; Length 134;  
 Best Local Similarity 96.3%; Pred. No. 1.5e-48; Indels 4; Gaps 1;  
 Matches 129; Conservative 1; Mismatches 0;

Qy 151 DTGPIILOQTYRAIANYEKTGSSEMA LSTGDVYEVKSESGMWFCOMKAKGWIPLASFL 210  
 Db 1 DTGPIILOQTYRAIADEKTGSSEMA LSTGDVYEVKSESGMWFCOMKAKGWIPLASFL 60

Qy 211 EPIDSPDETEDPEPNYAGEPYAIKAYTAVDEVSLLGEAVEVIHKLDGW---KDD 266  
 Db 61 EPIDSPDETEDPEPNYAGEPYAIKAYTAVDEVSLLGEAVEVIHKLDGMWVIRKDD 120

Qy 267 VTYGFPSMYLQSG 280  
 Db 121 VTYGFPSMYLQSG 134

RESULT 12  
 US-09-925-299-1221

Qy ; Sequence 1221, Application US/09925299  
 Db ; GENERAL INFORMATION:  
 Qy ; APPLICANT: Rogein et al.  
 Db ; TITLE OF INVENTION: Proteins and Antibodies  
 Qy ; FILE REFERENCE: PA102  
 Db ; CURRENT APPLICATION NUMBER: US/09/925,299  
 Qy ; PRIORITY FILING DATE: 2001-08-10  
 Db ; PRIORITY APPLICATION NUMBER: PCT/US00/05883  
 Qy ; PRIORITY FILING DATE: 2000-03-08  
 Db ; PRIORITY APPLICATION NUMBER: 60,124,270  
 Qy ; PRIORITY FILING DATE: 1999-03-12  
 Db ; NUMBER OF SEQ ID NOS: 1556

Qy ; SOFTWARE: PatentIn Ver. 2.0  
 Db ; SEQ ID NO 1221  
 Qy ; LENGTH: 141  
 Db ; TYPE: PRT

; ORGANISM: Homo sapiens  
 US-09-925-299-1221

Query Match 29.1%; Score 593; DB 9; Length 141;  
 Best Local Similarity 70.7%; Pred. No. 8.2e-42;  
 Matches 118; Conservative 7; Mismatches 16; Indels 26; Gaps 2;

Qy 3 DTFIRHIALGFERFVPSQHYVMFLVKWQDLSKEVYRRTETIYEPHTKILKEMFPIEA 62  
 Db 1 DTFIRHIALGFERFVPSQHYVMFLVKWQDLSKEVYRRTETIYEPHTKILKEMFPIEA 62  
 ; HVGEMAGPVG 35

Qy 63 GAINPENRILPHLPAPKWFQDGORAENRGQTLTEYCSLMSLPTKISRCPHILLDFFKVRP 122  
 Db 36 GGLPALHDL-RVPSPKWFQDGORAENHQGTLTEYCGTLMSPKISRCPHILLDFFKVRP 94

Qy 123 DDLKLPDTNDQTKKPETYLMPDKGSTATITGPILQTYRATANYEK 169  
 Db 95 DDLKLPDTNDQTKKPETYLMPDKGSTATITGPILQTYRATANYEK 141

RESULT 13  
 US-09-925-299-1221  
 ; Sequence 1221, Application US/09925299  
 ; Publication No. US20030040617A9  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Rosen et al.  
 ; TITLE OF INVENTION: Nucleic Acids, Proteins and Antibodies  
 ; FILE REFERENCE: PA122  
 ; CURRENT APPLICATION NUMBER: US/09/925,299  
 ; CURRENT FILING DATE: 2001-08-10  
 ; PRIOR APPLICATION NUMBER: PCT/US00/05883  
 ; PRIOR FILING DATE: 2000-03-08  
 ; PRIOR APPLICATION NUMBER: 60/124,270  
 ; PRIOR FILING DATE: 1999-03-12  
 ; NUMBER OF SEQ ID NOS: 1556  
 ; SOFTWARE: PatentIn Ver. 2.0  
 ; SEQ ID NO 1221  
 ; LENGTH: 141  
 ; TYPE: PRT  
 ; ORGANISM: Homo sapiens  
 US-09-925-239-1221

Query Match 29.1%; Score 593; DB 10; Length 141;  
 Best Local Similarity 70.7%; Pred. No. 8.2e-42;  
 Matches 118; Conservative 7; Mismatches 16; Indels 26; Gaps 2;

Qy 3 DTFIRHIALGFERFVPSQHYVMFLVKWQDLSKEVYRRTETIYEPHTKILKEMFPIEA 62  
 Db 1 DTFIRHIALGFERFVPSQHYVMFLVKWQDLSKEVYRRTETIYEPHTKILKEMFPIEA 62  
 ; HVGEMAGPVG 35

Qy 63 GAINPENRILPHLPAPKWFQDGORAENRGQTLTEYCSLMSLPTKISRCPHILLDFFKVRP 122  
 Db 36 GGLPALHDL-RVPSPKWFQDGORAENHQGTLTEYCGTLMSPKISRCPHILLDFFKVRP 94

Qy 123 DDLKLPDTNDQTKKPETYLMPDKGSTATITGPILQTYRATANYEK 169  
 Db 95 DDLKLPDTNDQTKKPETYLMPDKGSTATITGPILQTYRATANYEK 141

RESULT 14  
 US-10-161-927-60  
 ; Sequence 60, Application US/10161927  
 ; Publication No. US2003023582A1

GENERAL INFORMATION:  
 ; APPLICANT: Zerhusen, Bryan D.  
 ; APPLICANT: Kekuda, Ramesh  
 ; APPLICANT: Spytek, Kimberly A.  
 ; APPLICANT: Shenoy, Suresh G.  
 ; APPLICANT: Miller, Charles E.  
 ; APPLICANT: Ajalt, Ford  
 ; APPLICANT: Gerlach, Valerie L.  
 ; APPLICANT: Baumgartner, Jason C.  
 ; APPLICANT: Guo, Xiaojia

Qy 229 ; EYVVAKAYTATEGVGWWFQMKAKRGWTPASFLPLSDPTEDEPEPYAG-- 228  
 Db 246 SKRRKAZHLRRLDRWTLGGMNVNQHSREEKVTVOPTYSOKSKDEIGPERGVTVETRKNL 305

Qy 261 DGW-----KDDVTVGFPMSYLOKSQDVSQAQRQI----- 290  
 Db 306 EGWWTTVYLGKE--GWAPASYLKAQDDLPTRCKNLAGVEIIGNIMIISNLINKASG 362

Qy 291 KRGAPP-----RSSIRNAHSIHORSRKLSDQAYRRNSVRFQQ 330

Db 363 DKETPPAEGEGHAPIAKKEISLPLCNAASNGSAVGVPDRTVSRLLAQG - - PAVARIAPP 420 Qy 352 TQRSKQPAVPP 363  
 Qy 331 RRRQARPQPSQSPCSPLERQTORSKPQPAVPP 363 Db 357 LGQLPKPPEPP 368  
 Db 421 RAQISSLNRLTRRPP-RRESSLGFQLPKPPEPP 452

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Search completed: April 25, 2005, 11:16:08  
 Job time : 97 secs

RESULT 15  
 US-10-094-749-2576  
 Sequence 2576, Application US/10094749  
 Publication No. US20030219741A1  
 GENERAL INFORMATION:  
 APPLICANT: ISOGAI, TAKAO  
 APPLICANT: SUGIYAMA, TOMOYASU  
 APPLICANT: OTSUKI, TENSUJI  
 APPLICANT: WAKAMATSU, AI  
 APPLICANT: SATO, HIROYUKI  
 APPLICANT: ISHII, SHIZUKO  
 APPLICANT: YAMAMOTO, JUN-ICHI  
 APPLICANT: ISONO, YUUKO  
 APPLICANT: HIO, YURI  
 APPLICANT: OTSUKA, KAORU  
 APPLICANT: NAGAI, KEIICHI  
 APPLICANT: IRIE, RYOTARO  
 APPLICANT: TAMECHIKA, ICHIRO  
 APPLICANT: SEKI, NAOKIKO  
 APPLICANT: YOSHIKAWA, TSUTOMU  
 APPLICANT: OTSUKA, MOTOKI  
 APPLICANT: NAGAHARI, KENJI  
 APPLICANT: MASHUO, YASUHIKO  
 TITLE OF INVENTION: NOVEL FULL-LENGTH cDNA  
 FILE REFERENCE: 084335\_0160  
 CURRENT APPLICATION NUMBER: US/10/094,749  
 CURRENT FILING DATE: 2002-03-12  
 CURRENT FILING NUMBER: 60/350,435  
 PRIOR APPLICATION NUMBER: 60/350,435  
 PRIOR FILING DATE: 2002-01-24  
 PRIOR APPLICATION NUMBER: JP 2001-328381  
 PRIOR FILING DATE: 2001-09-14  
 NUMBER OF SEQ ID NOS: 3381  
 SOFTWARE: Patentin Ver. 2.1  
 SEQ ID NO: 2576  
 LENGTH: 1054  
 TYPE: PRT  
 ORGANISM: Homo sapiens  
 US-10-094-749-2576

Query Match Similarity 20.7%; Score 422; DB 15; Length 1054;  
 Best Local Similarity 29.0%; Pred. No. 3e-26; Mismatches 134; Indels 68; Gaps 10;  
 Matches 108; Conservative 62; Mismatches 134; Indels 68; Gaps 10;

Qy 54 LKEMFPTEAGAINPENRIPPHLPKPKMDGQR --AAENRQGTLEYCSTLMSLPTKISR 110  
 Db 3 LDKFPTEGGQDKDPKQRIPLPGKLFRSHRIRDVAVKRLPKIDEVCRALVLPPIHQ 62  
 Qy 111 CPHLDDPFVRPDDLKLPLTDNQTKPPTYMPDKGKSTATIG----PILQTYRA 163  
 Db 63 CDEVERFEARPDVNPKEDGSSRKSVWLISSWAASPKDVTGADATAEPMILEQYV 122  
 Qy 164 IANYEKTSGSEMASTGDEVYVEVKSESGWWFCQMKRGNIPASFLEPLDSDPDETEDPB 223  
 Db 123 VSYKKQENSESLQAGEVWDVIBKNESSGWWVTSBEGWVATYLEAQNGTRDSDIN 182  
 Qy 224 PNYAG--EPYYVAKTAYVEGDEVSLLEGAEVYIKLKGW-----KDDVTGYPFPM 274  
 Db 183 TSKTGEERKXVTVQPYTSQSKDIEGFGKVTEVIRKNLGWEYIRLGKE---GWAPAS 239  
 Qy 275 YLQKSGQDSQSQDQI-----KGRAPP----- 297  
 Db 240 YLKKAKDPLPTRKKNLLAGPVEIIGNIMBISNLINKKASGDKETPPAGEGHEAPIAKKEI 299  
 Qy 298 -----RSSIRNAHTHORSRKRSLQDARYRNSVRFLQQRROARPGQSPGSPLSEERQ 351  
 Db 300 SLPLCNAASNGSAVGVPDRTVSRLLAQG - - PAVARIAPPQRAQISSPNLRTRPP-RRESS 356

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Result No.	Score	Query Match	Length	DB ID	Description
1	2035	100.0	386	4 US-09-820-005-2	Sequence 2, Appli
2	2035	100.0	386	4 US-10-119-856-2	Sequence 2, Appli
3	2018	99.2	390	4 US-09-820-005-4	Sequence 4, Appli
4	2018	99.2	390	4 US-10-109-856-4	Sequence 4, Appli
5	405.5	19.9	215	4 US-09-808-701A-21	Sequence 21, Appli
6	310	15.2	60	4 US-09-006-128A-10	Sequence 10, Appli
7	310	15.2	60	4 US-09-615-187C-10	Sequence 10, Appli
8	281	13.8	60	4 US-09-006-428A-13	Sequence 13, Appli
9	281	13.8	60	4 US-09-615-387C-13	Sequence 13, Appli
10	239	11.7	52	4 US-09-079-030-27	Sequence 27, Appli
11	188	9.2	509	3 US-08-630-915A-194	Sequence 19, Appli
12	188	9.2	509	4 US-09-879-957-194	Sequence 194, Appli
13	188	9.2	1676	4 US-09-949-016-7610	Sequence 7610, Appli
14	176.5	8.7	248	3 US-08-630-915A-40	Sequence 40, Appli
15	176.5	8.7	248	4 US-09-879-957-40	Sequence 40, Appli
16	174	8.6	41	3 US-08-630-915A-72	Sequence 72, Appli
17	174	8.6	41	4 US-09-879-957-72	Sequence 72, Appli
18	171	8.4	38	3 US-08-630-915A-106	Sequence 106, Appli
19	171	8.4	38	4 US-09-879-957-106	Sequence 106, Appli
20	164.5	8.1	639	4 US-09-949-016-6812	Sequence 6812, Appli
21	164.5	8.1	652	4 US-09-949-016-7323	Sequence 7323, Appli
22	157	7.7	462	4 US-08-630-915A-38	Sequence 38, Appli
23	157	7.7	462	4 US-09-879-957-38	Sequence 38, Appli
24	157	7.7	520	4 US-09-538-092-1347	Sequence 1347, Appli
25	147.5	7.2	324	1 US-08-475-894-6	Sequence 6, Appli
26	147.5	7.2	324	1 US-08-484-710-6	Sequence 6, Appli
27	147.5	7.2	324	2 US-08-484-709-6	Sequence 6, Appli

**RESULT 2**  
 US-10-109-856-2  
 ; Sequence 2, Application US/10109856  
 ; Patent No. 6709850  
 ; GENERAL INFORMATION:  
 ; APPLICANT: SHAO, Wei et al.  
 ; TITLE OF INVENTION: ISOLATED HUMAN ENZYME PROTEINS, NUCLEIC ACID MOLECULES ENCODING HUMAN ENZYME PROTEINS, AND USES THEREOF  
 ; FILE REFERENCE: CLO01198D1V  
 ; CURRENT APPLICATION NUMBER: US/10/109,856  
 ; CURRENT FILING DATE: 2002-04-01  
 ; PRIOR APPLICATION NUMBER: 2001-03-29  
 ; PRIORITY FILING DATE: 2001-03-29  
 ; NUMBER OF SEQ ID NOS: 4  
 ; SOFTWARE: FastSEQ for Windows Version 4.0  
 ; SEQ ID NO: 2  
 ; LENGTH: 386  
 ; TYPE: PRT  
 ; ORGANISM: Homo sapien  
 US-10-109-856-2

Query Match 100.0%; Score 2035; DB 4; Length 386;  
 Best Local Similarity 100.0%; Pred. No. 4 4e-193; Indels 0; Gaps 0;  
 Matches 386; Conservative 0; Mismatches 0;

Qy 1 MGDTFIRHIALLGFFKRFRPSQHYYMMFLVKWQDLSEKVYRRTEIYEFHKTLKEMPF1 60  
 Db 1 MGDTFIRHIALLGFFKRFRPSQHYYMMFLVKWQDLSEKVYRRTEIYEFHKTLKEMPF1 60

Qy 61 EAGAINPENRILPHLPAPKWFQDQRALENRQGTITELYCSTLMSLPTKISRCPHLIDFFKV 120  
 Db 61 EAGAINPENRILPHLPAPKWFQDQRALENRQGTITELYCSTLMSLPTKISRCPHLIDFFKV 120

Qy 121 RPDDLKLPPTDNQTKEPKETYLMPDKGKSTATDTGPILLQTYRAIDBKTSGSEMAALSTG 180  
 Db 121 RPDDLKLPPTDNQTKEPKETYLMPDKGKSTATDTGPILLQTYRAIDBKTSGSEMAALSTG 180

Qy 181 DVVEVVEKSESGWWFCOMKAKRGWIPASFLEPDSPDETEDPEPNVAGEPYAIKAYTAV 240  
 Db 181 DVVEVVEKSESGWWFCOMKAKRGWIPASFLEPDSPDETEDPEPNVAGEPYAIKAYTAV 240

Qy 241 EGDEVSLLEGAEVTHKLDDG - - KDDVTVGYPFSMYLQKSQDVSQAQRIKRGAPP 296  
 Db 241 EGDEVSLLEGAEVTHKLDDGWWVIRSDDTVCFPSMYLQKSQDVSQAQRIKRGAPP 300

Qy 297 RRSSTIRNAHSIHQRSRKLSQDAYRNSVRFLQRRARPQPSQSPSLEEROTORSK 356  
 Db 301 RRSSTIRNAHSIHQRSRKLSQDAYRNSVRFLQRRARPQPSQSPSLEEROTORSK 360

Qy 357 POPVPPPPSADILINRCSEESTRKLASAV 386  
 Db 361 PQPAPPRESADILINRCSEESTRKLASAV 390

RESULT 4  
 US-10-109-856-4  
 ; Sequence 4, Application US/10109856  
 ; Patent No. 6709850  
 ; GENERAL INFORMATION:  
 ; APPLICANT: SHAO, Wei et al.  
 ; TITLE OF INVENTION: ISOLATED HUMAN ENZYME PROTEINS, NUCLEIC ACID MOLECULES ENCODING HUMAN ENZYME PROTEINS, AND USES THEREOF  
 ; TITLE OF INVENTION: THEREOF  
 ; FILE REFERENCE: CLO01198D1V  
 ; CURRENT APPLICATION NUMBER: US/10/109,856  
 ; PRIORITY APPLICATION NUMBER: 2002-04-01  
 ; NUMBER OF SEQ ID NOS: 4  
 ; SOFTWARE: PastSEQ for Windows Version 4.0  
 ; SEQ ID NO: 4  
 ; LENGTH: 390  
 ; TYPE: PRT  
 ; ORGANISM: Homo sapien  
 US-10-109-856-4

Query Match 99.2%; Score 2018; DB 4; Length 390;  
 Best Local Similarity 98.7%; Pred. No. 2.2e-191; Indels 4; Gaps 1;  
 Matches 385; Conservative 1; Mismatches 0;

Qy 1 MGDTFIRHIALLGFFKRFRPSQHYYMMFLVKWQDLSEKVYRRTEIYEFHKTLKEMPF1 60  
 Db 1 MGDTFIRHIALLGFFKRFRPSQHYYMMFLVKWQDLSEKVYRRTEIYEFHKTLKEMPF1 60

Qy 61 EAGAINPENRILPHLPAPKWFQDQRALENRQGTITELYCSTLMSLPTKISRCPHLIDFFKV 120  
 Db 61 EAGAINPENRILPHLPAPKWFQDQRALENRQGTITELYCSTLMSLPTKISRCPHLIDFFKV 120

Qy 121 RPDDLKLPPTDNQTKEPKETYLMPDKGKSTATDTGPILLQTYRAIDBKTSGSEMAALSTG 180

RESULT 5  
 US-09-006-428A-10  
 Sequence 10, Application US/09006428A  
 Patent No. 644439

GENERAL INFORMATION:  
 APPLICANT: Kazuhisa Nishizawa  
 APPLICANT: Wengian An  
 APPLICANT: Ellis L. Reinhertz  
 TITLE OF INVENTION: CLONING AND CHARACTERIZATION OF A cdc15-LIKE ADAPTOR PROTEIN (CD2BP1)  
 FILE REFERENCE: 1062-1020-000  
 CURRENT APPLICATION NUMBER: US/09/006,428A  
 CURRENT FILING DATE: 1998-01-13  
 NUMBER OF SEQ ID NOS: 28  
 SOFTWARE: FastSEQ for Windows Version 4.0  
 SEQ ID NO 10  
 LENGTH: 60  
 TYPE: PRT  
 ORGANISM: Homo sapiens  
 US-09-006-428A-10

Query Match 15.2%; Score 310; DB 4; Length 60;  
 Best Local Similarity 98.3%; Pred. No. 2.4e-23;  
 Matches 59; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

Qy 156 IIIQTYRAIANYEKTSGSEMAALSTGDDVVEKSFQWFCOMKAKRGWIPASFLPEPLDS 215  
 Db 1 IIIQTYRAIADYETTSGSEMAALSTGDDVVEKSFQWFCOMKAKRGWIPASFLPEPLDS 60

---

RESULT 7  
 US-09-615-387C-10  
 Sequence 10, Application US/09615387C  
 Patent No. 6689868

GENERAL INFORMATION:  
 APPLICANT: Jing Li  
 APPLICANT: Kazuhisa Nishizawa  
 APPLICANT: Wengian An  
 APPLICANT: Ellis L. Reinhertz  
 TITLE OF INVENTION: CLONING AND CHARACTERIZATION OF A cdc15-LIKE ADAPTOR PROTEIN (CD2BP1)  
 FILE REFERENCE: 1062-1020-003  
 CURRENT APPLICATION NUMBER: US/09/615,387C  
 CURRENT FILING DATE: 2000-07-13  
 PRIOR APPLICATION NUMBER: PCT/US98/26699  
 PRIOR FILING DATE: 1998-12-14  
 PRIOR APPLICATION NUMBER: 60/1020-003  
 PRIOR FILING DATE: 1998-01-13  
 NUMBER OF SEQ ID NOS: 28  
 SEQ ID NO 10  
 LENGTH: 60  
 TYPE: PRT  
 ORGANISM: Homo sapien  
 US-09-615-387C-10

Query Match 15.2%; Score 310; DB 4; Length 60;  
 Best Local Similarity 98.3%; Pred. No. 2.4e-23;  
 Matches 59; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

Qy 156 IIIQTYRAIANYEKTSGSEMAALSTGDDVVEKSFQWFCOMKAKRGWIPASFLPEPLDS 215  
 Db 1 IIIQTYRAIADYETTSGSEMAALSTGDDVVEKSFQWFCOMKAKRGWIPASFLPEPLDS 60

---

RESULT 8  
 US-09-006-428A-13  
 Sequence 13, Application US/09006428A  
 Patent No. 644439

GENERAL INFORMATION:  
 APPLICANT: Jing Li  
 APPLICANT: Wengian An  
 APPLICANT: Ellis L. Reinhertz  
 TITLE OF INVENTION: CLONING AND CHARACTERIZATION OF A cdc15-LIKE ADAPTOR PROTEIN (CD2BP1)  
 FILE REFERENCE: 1062-1020-000  
 CURRENT APPLICATION NUMBER: US/09/006,428A

RESULT 6  
 US-09-006-428A-10  
 Sequence 10, Application US/09006428A  
 Patent No. 644439

GENERAL INFORMATION:  
 APPLICANT: Jing Li

CURRENT FILING DATE: 1998-01-13  
 NUMBER OF SEQ ID NOS: 28  
 SOFTWARE: FastSEQ for Windows Version 4.0  
 SEQ ID NO 13  
 LENGTH: 60  
 TYPE: PRT  
 ORGANISM: Homo sapiens  
 US-09-006-428A-13

RESULT 9  
 Query Match Score 281; DB 4; Length 60;  
 Best Local Similarity 93.3%; Pred. No. 1.8e-20;  
 Matches 56; Conservative 0; Mismatches 0; Indels 4; Gaps 1;  
 SEQ 226 YAGEPVVAIKEYTAVGEVDEVSLLGEAVEVTHKLIDGW---KDDVTGTFPSMYLQKSQ 281  
 Db 1 YAGEPVVAIKEYTAVGEVDEVSLLGEAVEVTHKLIDGW---KDDVTGTFPSMYLQKSQ 60

PATENT INFORMATION:  
 Patent No. 6,889,868  
 APPLICANT: Jing Li  
 APPLICANT: Kazuhisa Nishizawa  
 APPLICANT: Wengian An  
 APPLICANT: Ellis L. Reinherz  
 TITLE OF INVENTION: CLONING AND CHARACTERIZATION OF A  
 TITLE OF INVENTION: ccd15-LIKE ADAPTER PROTEIN (CD2BP1)  
 FILE REFERENCE: 1:062-1:020-0:03  
 CURRENT FILING DATE: 2000-07-13  
 PRIOR APPLICATION NUMBER: PCT/US98/26699  
 PRIOR FILING DATE: 1998-12-14  
 PRIOR APPLICATION NUMBER: 09/006,428  
 PRIOR FILING DATE: 1998-01-13  
 NUMBER OF SEQ ID NOS: 28  
 SOFTWARE: FastSEQ for Windows Version 4.0  
 SEQ ID NO 13  
 LENGTH: 60  
 TYPE: PRT  
 ORGANISM: Homo sapiens  
 US-09-615-387C-13

RESULT 9  
 Query Match Score 281; DB 4; Length 60;  
 Best Local Similarity 93.3%; Pred. No. 1.8e-20;  
 Matches 56; Conservative 0; Mismatches 0; Indels 4; Gaps 1;  
 SEQ 226 YAGEPVVAIKEYTAVGEVDEVSLLGEAVEVTHKLIDGW---KDDVTGTFPSMYLQKSQ 281  
 Db 1 YAGEPVVAIKEYTAVGEVDEVSLLGEAVEVTHKLIDGW---KDDVTGTFPSMYLQKSQ 60

PATENT INFORMATION:  
 Patent No. 6,889,868  
 APPLICANT: Hoogeveen, Ron C.  
 APPLICANT: Moore, Paul J.  
 TITLE OF INVENTION: LIPOPROTEINS AS NUCLEIC ACID DELIVERY  
 TITLE OF INVENTION: VECTORS FOR TRANSFECTION OF EUKARYOTIC CELLS  
 NUMBER OF SEQUENCES: 229  
 CORRESPONDENCE ADDRESS:  
 STREET: Arnold, White & Durkee  
 CITY: Houston  
 STATE: Texas  
 COUNTRY: USA  
 ZIP: 77210  
 COMPUTER READABLE FORM:  
 MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible  
 OPERATING SYSTEM: PC-DOS/MS-DOS  
 CURRENT APPLICATION DATA:  
 APPLICATION NUMBER: US/08/630,915A  
 FILING DATE: 03-APR-1996  
 CLASIFICATION: 536  
 ATTORNEY/AGENT INFORMATION:  
 NAME: Misrock, S. Leslie  
 REGISTRATION NUMBER: 18,872  
 REFERENCE DOCKET NUMBER: 1101-174  
 TELECOMMUNICATION INFORMATION:  
 TELEPHONE: (212) 79-9090  
 TELEFAX: (212) 869-8864, 9741  
 TELEX: 66141 PENNIE  
 INFORMATION FOR SEQ ID NO: 194;  
 SEQUENCE CHARACTERISTICS:  
 LENGTH: 509 amino acids  
 TYPE: amino acid

COMPUTER: IBM PC compatible  
 OPERATING SYSTEM: PC-DOS/MS-DOS  
 CURRENT APPLICATION DATA:  
 APPLICATION NUMBER: US/09/079,030  
 FILING DATE: 03-APR-1996  
 CLASIFICATION: 536  
 ATTORNEY/AGENT INFORMATION:  
 NAME: McMillian, Nadeila R.  
 REGISTRATION NUMBER: P-43,363  
 REFERENCE DOCKET NUMBER: ARAG-0030  
 TELECOMMUNICATION INFORMATION:  
 TELEPHONE: 512/418-3000  
 TELEFAX: 512/474-7577  
 INFORMATION FOR SEQ ID NO: 27;  
 SEQUENCE CHARACTERISTICS:  
 LENGTH: 52 amino acids  
 TYPE: amino acid  
 STRANDEDNESS:  
 TOPOLOGY: linear  
 US-09-079-030-27

Query Match Score 239; DB 4; Length 52;  
 Best Local Similarity 92.3%; Pred. No. 2.1e-16;  
 Matches 48; Conservative 0; Mismatches 0; Indels 4; Gaps 1;  
 SEQ 229 EPYVAKAYTAVGEVDEVSLLGEAVEVTHKLIDGW---KDDVTGTFPSMYL 276  
 Db 1 EPYVAKAYTAVGEVDEVSLLGEAVEVTHKLIDGW---KDDVTGTFPSMYL 52

PATENT INFORMATION:  
 Patent No. 6,309,620  
 GENERAL INFORMATION:  
 SPARKS, Andrew B.  
 APPLICANT: HOFFMAN, No. 6309820h  
 APPLICANT: KAY, Brian K.  
 APPLICANT: FOWLES, Dana M.  
 APPLICANT: MCCONNELL, Stephen J.  
 TITLE OF INVENTION: POLYPEPTIDES HAVING A FUNCTIONAL DOMAIN OF INTEREST AND METHODS OF IDENTIFYING AND  
 TITLE OF INVENTION: DOMAIN OF INTEREST AND METHODS OF IDENTIFYING AND  
 NUMBER OF SEQUENCES: 227  
 CORRESPONDENCE ADDRESS:  
 ADDRESSEE: Pennie & Edmonds LLP  
 STREET: 1155 Avenue of the Americas  
 CITY: New York  
 STATE: New York  
 COUNTRY: USA  
 ZIP: 10016-2711

COMPUTER READABLE FORM:  
 MEDIUM TYPE: Floppy disk  
 COMPUTER: IBM PC compatible  
 OPERATING SYSTEM: PC-DOS/MS-DOS  
 CURRENT APPLICATION DATA:  
 APPLICATION NUMBER: US/08/630,915A  
 FILING DATE: 03-APR-1996  
 CLASIFICATION: 536  
 ATTORNEY/AGENT INFORMATION:  
 NAME: Misrock, S. Leslie  
 REGISTRATION NUMBER: 18,872  
 REFERENCE DOCKET NUMBER: 1101-174  
 TELECOMMUNICATION INFORMATION:  
 TELEPHONE: (212) 79-9090  
 TELEFAX: (212) 869-8864, 9741  
 TELEX: 66141 PENNIE  
 INFORMATION FOR SEQ ID NO: 194;  
 SEQUENCE CHARACTERISTICS:  
 LENGTH: 509 amino acids  
 TYPE: amino acid

STRANDEDNESS:  
TOPOLOGY: unknown  
MOLECULE TYPE: peptide  
US-08-630-915A-194

Query Match 9.2%; Score 188; DB 3; Length 509;  
Best Local Similarity 22.1%; Pred. No. 7.7e-10;  
Matches 60; Conservative 58; Mismatches 102; Indels 52; Gaps 9;

Qy 64 AINPENRIPHLPAKWFQRAAENRGQTLYESTMISLPTKSRCHPHLDPFKVRD 123  
Db 141 AVSPKKALLP-----PTVSLSATSSTEPLSSNQASVTDYQNVFS 182

Qy 124 DLKLPIDNQTKPKETYLMPKDGSSTATDTGPI----ILQTYR--ALANYEKTSGSEMA 176  
Db 183 NLTVNTSWORKSATT-----RTVSPGSVPSPHQGVVNLLKAQALCSWTAKDNHILN 235

Qy 183 NLTVNTSWORKSATT-----RTVSPGSVPSPHQGVVNLLKAQALCSWTAKDNHILN 235

Db 183 NLTVNTSWORKSATT-----RTVSPGSVPSPHQGVVNLLKAQALCSWTAKDNHILN 235

Qy 177 LSTGDPDVVEKSESGWWFQMKAKRGWIPASFLPELDSPD-ETEDPEPNYA-----227  
Db 236 FSKHDIIITVLEQQEN-WWFGEVHGGRGWPKSVKIIPSESVKRKEPEALYAAVNKKPPTS 294

Qy 228 -----GEPTYAIKATAVGEDEVILLEGEAVEVHKLLDGWK---DDVITYGFPMYLOQS 279  
Db 295 AAYSGEETIALYPPSSVEPGDLTTTEGEBILVTKQDGFWTGSIGDRSGIFFSNYVFK 354

Qy 280 QGDVSAQORQIKRGAPPRSSIRNAHSIHORS 311  
Db 355 DQESFGSAS-KSGASNKIKBIAQVTSATVAS 384

Qy 280 QGDVSAQORQIKRGAPPRSSIRNAHSIHORS 311  
Db 355 DQESFGSAS-KSGASNKIKBIAQVTSATVAS 384

RESULT 12  
US-09-879-957-194  
Sequence 194, Application US/09879957  
Patent No. 6709821

GENERAL INFORMATION:  
APPLICANT: SPARKS, Andrew B.  
HOFFMAN, No. 6709821h  
KAY, Brian K.  
FONKES, Dana M.  
MCCONNELL, Stephen J.

TITLE OF INVENTION: POLYPEPTIDES HAVING A FUNCTIONAL DOMAIN OF INTEREST AND METHODS OF IDENTIFYING AND USING SAME  
NUMBER OF SEQUENCES: 227  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Pennie & Edmonds LLP  
STREET: 1155 Avenue of the Americas  
CITY: New York  
STATE: New York  
COUNTRY: USA  
ZIP: 10016-2711

COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Patentin Release #1.0, Version #1.30  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/09/879,957  
FILING DATE: 13-Jun-2001  
CLASSIFICATION: <Unknown>  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US 08/630,915  
FILING DATE: 03-APR-1996  
ATTORNEY/AGENT INFORMATION:  
NAME: Mirrock, S. Leslie  
REGISTRATION NUMBER: 18,872  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (212) 730-9090  
TELEX: 66141 PENNIE  
INFORMATION FOR SEQ ID NO: 194:  
SEQUENCE CHARACTERISTICS:

LENGTH: 509 amino acids  
TYPE: amino acid  
STRANDEDNESS: <Unknown>  
TOPOLOGY: unknown  
MOLECULE TYPE: peptide  
SEQUENCE DESCRIPTION: SEQ ID NO: 194:  
US-09-879-957-194

Query Match 9.2%; Score 188; DB 4; Length 509;  
Best Local Similarity 22.1%; Pred. No. 7.7e-10;  
Matches 60; Conservative 58; Mismatches 102; Indels 52; Gaps 9;

Qy 64 AINPENRIPHLPAKWFQRAAENRGQTLYESTMISLPTKSRCHPHLDPFKVRD 123  
Db 141 AVSPKKALLP-----PTVSLSATSSTEPLSSNQASVTDYQNVFS 182

Qy 124 DLKLPIDNQTKPKETYLMPKDGSSTATDTGPI----ILQTYR--ALANYEKTSGSEMA 176  
Db 183 NLTVNTSWORKSATT-----RTVSPGSVPSPHQGVVNLLKAQALCSWTAKDNHILN 235

Qy 177 LSTGDPDVVEKSESGWWFQMKAKRGWIPASFLPELDSPD-ETEDPEPNYA-----227  
Db 236 FSKHDIIITVLEQQEN-WWFGEVHGGRGWPKSVKIIPSESVKRKEPEALYAAVNKKPPTS 294

Qy 228 -----GEPTYAIKATAVGEDEVILLEGEAVEVHKLLDGWK---DDVITYGFPMYLOQS 279  
Db 295 AAYSGEETIALYPPSSVEPGDLTTTEGEBILVTKQDGFWTGSIGDRSGIFFSNYVFK 354

Qy 280 QGDVSAQORQIKRGAPPRSSIRNAHSIHORS 311  
Db 355 DQESFGSAS-KSGASNKIKBIAQVTSATVAS 384

RESULT 13  
US-09-949-016-7610  
Sequence 7610, Application US/09949016  
Patent No. 6812339

GENERAL INFORMATION:  
APPLICANT: VENTER, J. Craig et al.  
TITLE OF INVENTION: WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF  
FILE REFERENCE: CLO01307  
CURRENT APPLICATION NUMBER: US/09/949,016  
CURRENT FILING DATE: 2000-04-14  
PRIOR APPLICATION NUMBER: 60/241,755  
PRIOR FILING DATE: 2000-10-20  
PRIOR APPLICATION NUMBER: 60/237,768  
PRIOR FILING DATE: 2000-10-03  
PRIOR APPLICATION NUMBER: 60/231,498  
PRIOR FILING DATE: 2000-09-08  
NUMBER OF SEQ ID NOS: 207012  
SOFTWARE: FastSBQ for Windows Version 4.0  
SEQ ID NO: 7610  
LENGTH: 1676  
TYPE: PRT  
ORGANISM: Human  
US-09-949-016-7610

Query Match 9.2%; Score 188; DB 4; Length 1676;  
Best Local Similarity 22.1%; Pred. No. 4.8e-09;  
Matches 60; Conservative 58; Mismatches 102; Indels 52; Gaps 9;

Qy 64 AINPENRIPHLPAKWFQRAAENRGQTLYESTMISLPTKSRCHPHLDPFKVRD 123  
Db 803 AVSPKKALLP-----PTVSLSATSSTEPLSSNQASVTDYQNVFS 844

Qy 124 DLKLPIDNQTKPKETYLMPKDGSSTATDTGPI----ILQTYR--ALANYEKTSGSEMA 176  
Db 845 NLTVNTSWORKSATT-----RTVSPGSVPSPHQGVVNLLKAQALCSWTAKDNHILN 897

Qy 177 LSTGDPDVVEKSESGWWFQMKAKRGWIPASFLPELDSPD-ETEDPEPNYA-----227  
Db 898 FSKHDIIITVLEQQEN-WWFGEVHGGRGWPKSVKIIPSESVKRKEPEALYAAVNKKPPTS 956

Qy 228 ----GRPYVAIKAYTAAVEGDEVSLLEGFAEVVIKLLDGWIK-- DDVTCYFPMSMLQKS 279  
 Db 957 AAYSVGEYIAYLPPSVEPGLTFTGEETLVQDGEMWTGSIGDRSSIFPSNYVKDK 1016

Qy 280 GDDVSQAQRQIKRGAPPRSSIRNAHSIHQS 311  
 Db 1017 DQESFSSAS - KSGASNKPKPEAQTSAYAS 1046

RESULT 14  
 / Sequence 40, Application US/08630915A  
 ; GENERAL INFORMATION:  
 ; APPLICANT: SPARKS, Andrew B.  
 ; APPLICANT: HOFFMAN, No. 6309820h  
 ; APPLICANT: KAY, Brian K.  
 ; APPLICANT: FOWKES, Dana M.  
 ; APPLICANT: MCCONELL, Stephen J.  
 ; TITLE OF INVENTION: POLYPEPTIDES HAVING A FUNCTIONAL DOMAIN OF INTEREST AND METHODS OF IDENTIFYING AND  
 ; TITLE OF INVENTION: DOMAIN OF INTEREST AND METHODS OF IDENTIFYING AND  
 ; NUMBER OF SEQUENCES: 227  
 ; CORRESPONDENCE ADDRESS:  
 ; STREET: 1155 Avenue of the Americas  
 ; CITY: New York  
 ; STATE: New York  
 ; COUNTRY: USA  
 ; ZIP: 10036-2711  
 ; COMPUTER READABLE FORM:  
 ; MEDIUM TYPE: Floppy disk  
 ; COMPUTER: IBM PC Compatible  
 ; OPERATING SYSTEM: PC-DOS/MS-DOS  
 ; SOFTWARE: PatentIn Release #1.0, Version #1.30  
 ; CURRENT APPLICATION DATA:  
 ; APPLICATION NUMBER: US/08/630,915A  
 ; FILING DATE: 03-APR-1996  
 ; CLASSIFICATION: 536  
 ; ATTORNEY/AGENT INFORMATION:  
 ; NAME: Misrock, S. Leslie  
 ; REGISTRATION NUMBER: 18,872  
 ; REFERENCE/DOCKET NUMBER: 1101-174  
 ; TELECOMMUNICATION INFORMATION:  
 ; TELEPHONE: (212) 790-9090  
 ; TELEFAX: (212) 859-8864/9741  
 ; TELEX: 66141 PENNIE  
 ; INFORMATION FOR SEQ ID NO: 40:  
 ; SEQUENCE CHARACTERISTICS:  
 ; LENGTH: 248 amino acids  
 ; TYPE: amino acid  
 ; STRANDEDNESS:  
 ; TOPOLOGY: unknown  
 ; MOLECULE TYPE: peptide  
 ; SEQUENCE DESCRIPTION: SEQ ID NO: 40:  
 ; US-08-630-915A-40

Qy 259 LLDCWKDD--VTCYFPMSMLQ - KSGQDVSQ 285  
 Db 217 DPDMWQGETNGVIGLFPSPNVVRMTTDSDPSQ 247

RESULT 15  
 US-09-879-957-40  
 / Sequence 40, Application US/09879957  
 ; Patent No. 6709821  
 ; GENERAL INFORMATION:  
 ; APPLICANT: SPARKS, Andrew B.  
 ; APPLICANT: HOFFMAN, No. 6709821h  
 ; APPLICANT: KAY, Brian K.  
 ; APPLICANT: FOWKES, Dana M.  
 ; APPLICANT: MCCONELL, Stephen J.  
 ; TITLE OF INVENTION: POLYPEPTIDES HAVING A FUNCTIONAL DOMAIN OF INTEREST AND METHODS OF IDENTIFYING AND  
 ; NUMBER OF SEQUENCES: 227  
 ; CORRESPONDENCE ADDRESS:  
 ; ADDRESSER: Pennie & Edmonds LLP  
 ; STREET: 1155 Avenue of the Americas  
 ; CITY: New York  
 ; STATE: New York  
 ; COUNTRY: USA  
 ; ZIP: 10036-2711  
 ; COMPUTER READABLE FORM:  
 ; MEDIUM TYPE: Floppy disk  
 ; COMPUTER: IBM PC compatible  
 ; OPERATING SYSTEM: PC-DOS/MS-DOS  
 ; SOFTWARE: PatentIn Release #1.0, Version #1.30  
 ; CURRENT APPLICATION DATA:  
 ; APPLICATION NUMBER: US/09/879,957  
 ; FILING DATE: 13-Jun-2001  
 ; CLASSIFICATION: <Unknown>  
 ; PRIORITY APPLICATION DATA:  
 ; APPLICATION NUMBER: US 08/630,915  
 ; CURRENT APPLICATION DATA:  
 ; ATTORNEY/AGENT INFORMATION:  
 ; NAME: Misrock, S. Leslie  
 ; REGISTRATION NUMBER: 18,872  
 ; REFERENCE/DOCKET NUMBER: 1101-174  
 ; TELECOMMUNICATION INFORMATION:  
 ; TELEPHONE: (212) 869-8864/9741  
 ; TELEX: 66141 PENNIE  
 ; INFORMATION FOR SEQ ID NO: 40:  
 ; SEQUENCE CHARACTERISTICS:  
 ; LENGTH: 248 amino acids  
 ; TYPE: amino acid  
 ; STRANDEDNESS: <Unknown>  
 ; TOPOLOGY: unknown  
 ; MOLECULE TYPE: peptide  
 ; SEQUENCE DESCRIPTION: SEQ ID NO: 40:  
 ; US-09-879-957-40

Query Match 8.7%; Score 176.5; DB 4; Length 248;  
 Best Local Similarity 28.0%; Pred. No. 3.6e-09;  
 Matches 59; Conservative 37; Mismatches 68; Indexes 47; Gaps 11;

Qy 114 LLDFPFKVRPDPLKLPTDNQ---TKK-----PETYLMPKD-----GKS 147  
 Db 45 LPPSSVEPGDLTFGEELTVQDGEMWTGSIGDRSSIFPSNYVKDKQESFGSAS 104

Qy 148 TATDTGPILQTYRAIANYEKTGSSEMAALSTGDVVEVKSESGWMPCOMKAK ---R 202  
 Db 105 GASN-KKPEAQVTSA---TVASGEQSLAHPQLILRKNTGWMQGBLQARGKRK 160

Qy 203 GWIPASFLPLDSDPDETEDEPENYAGEP --YVAKKAYTAVEGDEVLSLEGRAEVTH-  
 Db 161 GWFPASHYKLLGPSSERATP ---AFFPVQCQVMTDYAANNEDELSFSKGQLINVMND 216

Qy 259 LLDCWKDD--VTCYFPMSMLQ - KSGQDVSQ 285

Db 217 DPDWWQGEINEVTGLFPSTVVKMTRDSDPSQ 247

Search completed: April 25, 2005, 11:07:07  
Job time : 58 secs

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OM nucleic - nucleic search, using sw model

Run on: April 25, 2005, 08:46:32 ; Search time 808 Seconds  
(without alignments)

Total number of hits satisfying chosen parameters: 10383.902 Million cell updates/sec

Scoring table: IDENTITY\_NUC

Title: US-10-767-341-1

Perfect score: 1382

Sequence: cctggaaatgtccaggagca.....aaaaaaa.....aaaaaaa 1382

Searched: 5633728 seqs, 3035525691 residues

Post-processing: Minimum Match 0%  
Maximum Match 10%

Minimum DB seq length: 0  
Maximum DB seq length: 2000000000

Database : Published\_Applications\_NA:\*

1: /cgn2\_6/ptodata/2/pubpna/us07\_PUBCOMB.seq;\*: /cgn2\_6/ptodata/2/pubpna/bct\_new\_pub.seq;\*: /cgn2\_6/ptodata/2/pubpna/us06\_NEWPUB.seq;\*: /cgn2\_6/ptodata/2/pubpna/us05\_NEWPUB.seq;\*: /cgn2\_6/ptodata/2/pubpna/us07\_NEWPUB.seq;\*: /cgn2\_6/ptodata/2/pubpna/us08\_NEWPUB.seq;\*: /cgn2\_6/ptodata/2/pubpna/us09\_NEWPUB.seq;\*: /cgn2\_6/ptodata/2/pubpna/us09a\_NEWPUB.seq;\*: /cgn2\_6/ptodata/2/pubpna/us09b\_NEWPUB.seq;\*: /cgn2\_6/ptodata/2/pubpna/us09c\_NEWPUB.seq;\*: /cgn2\_6/ptodata/2/pubpna/us09d\_NEWPUB.seq;\*: /cgn2\_6/ptodata/2/pubpna/us10a\_NEWPUB.seq;\*: /cgn2\_6/ptodata/2/pubpna/us10b\_NEWPUB.seq;\*: /cgn2\_6/ptodata/2/pubpna/us10c\_NEWPUB.seq;\*: /cgn2\_6/ptodata/2/pubpna/us10d\_NEWPUB.seq;\*: /cgn2\_6/ptodata/2/pubpna/us10e\_NEWPUB.seq;\*: /cgn2\_6/ptodata/2/pubpna/us10f\_NEWPUB.seq;\*: /cgn2\_6/ptodata/2/pubpna/us10g\_NEWPUB.seq;\*: /cgn2\_6/ptodata/2/pubpna/us11\_NEWPUB.seq;\*: /cgn2\_6/ptodata/2/pubpna/us60\_NEWPUB.seq;\*: /cgn2\_6/ptodata/2/pubpna/us60\_PUBCOMB.seq;\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

**SUMMARIES**

Result No.	Query Match	Length	DB ID	Description
1	1382	100.0	1382	.16 US-10-109-856-1
2	1382	100.0	1382	.16 US-10-109-856-1
3	1356.8	98.2	1460	.18 US-10-755-859-450
4	1348.8	97.6	1744	.18 US-10-722-860-6120
5	1303.8	94.3	1349	.17 US-10-437-427-5
6	1303.8	94.3	1349	.17 US-10-441-643-1176
7	1303.8	94.3	1349	.18 US-10-717-597-232
8	1283.8	94.3	1349	.18 US-10-775-169-110
9	1283.8	93.6	1340	.17 US-10-418-016-17
10	1288.6	54.9	1349	.17 US-10-437-427-1
11	758.2	54.9	1331	.17 US-10-437-427-3

**ALIGNMENTS**

```

RESULT 1
US-10-109-856-1
; Sequence 1, Application US/10109856
; Sequence 1, Application US/10109856
; General Information: PUBLIC INFORMATION: PCT/US03/166185A1
; Applicant: SHAO, Wei et al.
; Title of Invention: ISOLATED HUMAN ENZYME PROTEINS, NUCLEAR
; MOLECULES ENCODING HUMAN ENZYME PROTEINS, AND USES
; Title of Invention: ACID MOLECULES ENCODING HUMAN ENZYME PROTEINS, AND USES
; Title of Invention: THEREOF
; File Reference: CL001198D1V
; Current Application Number: US/10/109,856
; Current Filing Date: 2002-04-01
; Prior Application Number: US/10/109,856
; Prior Filing Date: 2001-03-29
; Number of SEQ ID NOS: 4
; Software: FastSEQ for Windows Version 4.0
; SEQ ID NO: 1
; Type: DNA
; Organism: Homo sapien
US-10-109-856-1

```



APPLICANT: Bristol-Myers Squibb Company  
 TITLE OF INVENTION: POLYNUCLEOTIDES AND POLYPEPTIDES ASSOCIATED WITH THE NF-kB  
 FILE REFERENCE: D0284 NP  
 TITLE OF INVENTION: PATHWAY  
 CURRENT APPLICATION NUMBER: US/10/755,889  
 CURRENT PILING DATE: 2004-01-13  
 PRIORITY APPLICATION NUMBER: U.S. 60/440,068  
 PRIORITY FILING DATE: 2003-01-14  
 PRIORITY APPLICATION NUMBER: U.S. 60/469,757  
 PRIORITY FILING DATE: 2003-05-12  
 NUMBER OF SEQ ID NOS: 823  
 SOFTWARE: PatentIn version 3.2  
 SEQ ID NO: 450  
 LENGTH: 1460  
 TYPE: DNA  
 ORGANISM: Homo sapiens  
 US-10-755-889-450

	Query Match	Score	DB 18;	Length
	Best Local Similarity	99.2%	DB 18;	1460;
	Matches 1380;	Conservative	Pred. No. 0;	Mismatches 2;
			Indels 12;	Gaps 1;
Qy	1 CCTGGAAAGTGCAGGGGACTGGGCCACCCAGCTATGGGGACACCTTCATCCGCTCA	98.2%	Score 1356.8;	
Db	43 CCTGGAAAGTGCAGGGGACTGGGCCACCCAGCTATGGGGACACCTTCATCCGCTCA	99.0%	Pred. No. 0;	
Qy	61 CATCGGCTCTGCTGGCCCTTGAGAACGGCTTGATACCCAGCCTATGTTAATGTT	99.0%	Mismatches 0;	
Db	103 CATCGGCTCTGCTGGCCCTTGAGAACGGCTTGATACCCAGCCTATGTTAATGTT	99.0%	Indels 2;	
Qy	121 CCTGGTGAATATTGAGGAACCTTGAGAACGGCTTGAGAACGGTGTACCGGAGCTA	99.0%	Gaps 1;	
Db	163 CCTGGTGAATATTGAGGAACCTTGAGAACGGTGTACCGGAGCTAATGGGCTTCACGGAGCTA	99.0%		
Qy	181 CGAGTTCATAAAACCTTAAGAAATGTTGCCCCATATGGGGAGGGGATGAAATCCGA	99.0%		
Db	223 CGAGTTCATAAAACCTTAAGAAATGTTGCCCCATATGGGGAGGGGATGAAATCCGA	99.0%		
Qy	241 GAACAGCATCATCCCACCCACCTCCAAAGTGTTCACGCCAGCGCGCCCGA	99.0%		
Db	283 GAACAGCATCATCCCACCCACCTCCAAAGTGTTCACGCCAGCGCGCCCGA	99.0%		
Qy	301 GAACCGCCAGGGCACATTACCGAGTACTGAGCTATGGCTGCCAACAGAT	99.0%		
Db	343 GAACCGCCAGGGCACATTACCGAGTACTGAGCTATGGCTGCCAACAGAT	99.0%		
Qy	361 CTCCCGCTGCCCCACCTCTCGACTCTCAAGGTGCCCCATGATGACCTCAAGCTCCC	99.0%		
Db	403 CTCCCGCTGCCCCACCTCTCGACTCTCAAGGTGCCCCATGATGACCTCAAGCTCCC	99.0%		
Qy	421 CACGGACAACAGACAAAAAGCCAGACACATCTGATGCCCAGATGGCAAGGTAC	99.0%		
Db	463 CACGGACAACAGACAAAAAGCCAGACACATCTGATGCCCAGATGGCAAGGTAC	99.0%		
Qy	481 CGGAAAGACATCCATCCGGCCCATATCTCGAGCTACCGGCTACATGAGA	99.0%		
Db	523 CGGAAAGACATCCATCCGGCCCATATCTCGAGCTACCGGCTACATGAGA	99.0%		
Qy	541 GAGGAGAGGCGTTGGGCTGCTGAGATGAAAGGAAAGGGGAGCTGGTGTAGGAA	99.0%		
Db	583 GAGGAGAGGCGTTGGGCTGCTGAGATGAAAGGAAAGGGGAGCTGGTGTAGGAA	99.0%		
Qy	601 CTTCCTGAGGCCCTGAGCTGCTGAGCTGCTGAGCTGCTGAGCTGCTGAGCTG	99.0%		
Db	721 TGAGCCATAACGTCGCCATCAAGGCCATACCTGCTGAGGGGGACAGGGTGTCCCTGCT	99.0%		
Qy	763 TGAGCCATAACGTCGCCATCAAGGCCATACCTGCTGAGGGGGACAGGGTGTCCCTGCT	99.0%		

RESULT 3  
 US-10-755-889-450  
 Sequence 450, Application US/10755889  
 Publication No. US20040171823A1  
 GENERAL INFORMATION:





US-10-641-1176	Sequenace 1176, Application US/10641643	Db	301	ACCTTACCGAGTAATGCGCACGCTCATGAGCAAGATCTCCCGTGTCCCCA	360
GENERAL INFORMATION:		QY	376	CCTCCCTGACTCTTCAAGTCCACGGAAACAGAC	435
APPLICANT: Cooks, Benjamin G.		Db	361	CCTCCCTGACTCTTCAAGTCCACGGAAACAGAC	420
Susan G. Stuart		Db	436	AAAAAGCCAGAACATACTGTGCCCCATGAGCTCAC	495
Jeffrey J. Seilhamer		QY	421	AAAAAACAGAACATACTGTGCCCCATGAGCTCAC	480
TITLE OF INVENTION: COMPOSITION FOR THE DETECTION OF BLOOD CELL		Db	496	CGGCCCATCATCCTCGAGCTAACATGGCAAGTGGCAAGTGGCAAGTGGCTC	555
NUMBER OF SEQUENCES: 1508		Db	481	CGGCCCATCATCCTCGAGCTAACATGGCAAGTGGCAAGTGGCTC	540
CORRESPONDENCE ADDRESS:		QY	556	CGAGATGGCTGTCACGGGGACCTGGTGGAGGTTGAGAAGGGAGGGCTTG	615
ADDRESSEE: INCYTE PHARMACEUTICALS, INC.		Db	541	CGAGATGGCTGTCACGGGGACCTGGTGGAGGAGGGCTTG	600
STREET: 3174 PORTER DRIVE		QY	616	GTGGTTTGTGAGATGAAAGGAACGGGGCTGGTGGAGGAGGGCTTG	675
CITY: PALO ALTO		Db	601	GTGGTTTGTGAGATGAAAGGAACGGGGCTGGTGGAGGAGGGCTTG	660
STATE: CALIFORNIA		Db	676	GGACACTCCCTGAGAGAACGGGGACCTGACGCCAACTATGAGTGGCTC	735
COUNTRY: USA		QY	661	GGACAGTCCTGAGAGAACGGGGACCTGAGCCAACTATGAGTGGCTC	720
ZIP: 94304		Db	736	CATAGGGCTTACAGCTGCTGGAGGGAGGGCTGGTGGAGGTTGACCTG	795
COMPUTER READABLE FORM:		QY	721	CATAGGGCTTACAGCTGCTGGAGGGAGGGCTGGTGGAGGTTGACCTG	780
MEDIUM TYPE: FLOPPY DISK		Db	796	TGAGGTATTCAAGCTCTGGAGCTGGTGGAGCTGGTGGAGCTGG	843
COMPUTER: IBM PC COMPATIBLE		QY	781	TGAGGTATTCAAGCTCTGGAGCTGGTGGAGCTGGTGGAGCTGG	840
OPERATING SYSTEM: PC-DOS/MS-DOS		Db	844	CTACTTCCCGTCCATTAACCTGCAAAGTCAAGGGAGAGCTGGTCAAGG	903
SOFTWARE: Word Perfect 6.1 for Windows/MS-DOS		QY	841	CTACTTCCGTCCATTAACCTGCAAAGTCAAGGGAGAGCTGGTCAAGG	900
CURRENT APPLICATION DATA:		Db	904	GATCAGCGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGG	963
APPLICATION NUMBER: US/10/641,643		Db	901	GATCAGCGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGG	960
FILING DATE: 14-Aug-2003		QY	964	GCGGTCGGAGAGGGCTCAGGGGGGGGGGGGGGGGGGGGGGGGG	1023
CLASSIFICATION: <Unknown>		Db	961	GCCTTGCGGGAGCCGGGGGGGGGGGGGGGGGGGGGGGGGG	1020
PRIOR APPLICATION DATA:		QY	1024	GCAGGCGAGCGCCAGCCGGGGGGGGGGGGGGGGGGGGGGGG	1083
APPLICATION NUMBER: <Unknown>		Db	1021	GCAGGCGAGCGCCAGCCGGGGGGGGGGGGGGGGGGGGGG	1080
FILING DATE: <Unknown>		QY	1084	GGGGGAGGAGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGG	1143
ATTORNEY/AGENT INFORMATION:		Db	1081	GGGGGAGGAGGGGGGGGGGGGGGGGGGGGGGGGGGGGG	1140
NAME: Zeller, Karen J.		QY	1144	CATCCCTGAAACGGCTCAGGGAGAGCAACGGCTCGTGTGCTG	1203
REGISTRATION NUMBER: 37,071		Db	1141	CATCCCTGAAACGGCTCAGGGAGAGCAACGGCTCGTGTGCTG	1200
REFERENCE/DOCKET NUMBER: PA-0001 US		QY	1204	GAAGCGAGTCCCGTCTGGCTGGCTGGCTGGCTGGCTGG	1263
TELEPHONE: (650) 855-0555		Db	1201	GAAGCGAGTCCCGTCTGGCTGGCTGGCTGGCTGGCTGG	1260
TELEFAX: (650) 845-4166		QY	1264	CCACCCCTCAATAAATGTTGGTGGAGTGG	1352
INFORMATION FOR SEQ ID NO: 1176:		Db	1321	CCACCCCTCAATAAATGTTGGTGGAGTGG	1349
SEQUENCE CHARACTERISTICS:		QY	1324	CTTAAAGAAATGTTGGTGGAGTGG	1323
LENGTH: 1349 base pairs		Db	1321	CTTAAAGAAATGTTGGTGGAGTGG	1320
TYPE: nucleic acid		QY	196	CTTAAAGAAATGTTGGTGGAGTGG	1320
STRANDEDNESS: single		Db	181	CTTAAAGAAATGTTGGTGGAGTGG	1320
TOPOLOGY: linear		Db	136	GGACCTGTGAGGAAAGTGGTCACTGCTGATGAGTCCATAAAC	195
IMMEDIATE SOURCE:		QY	121	GGACCTGTGAGGAAAGTGGTCACTGCTGATGAGTCCATAAAC	180
LIBRARY: GENBANK		Db	16	GAGGACTGAGGCTCTTAACCGAGGACTATGCTGTAATGCGCA	135
CLOBE: 9189350		QY	61	CTTGTGAGGAGGCTCTTAACCGAGGACTATGCTGTAATGCGCA	75
SEQUENCE DESCRIPTION: SEQ ID NO: 1176 :		Db	1	GAGGACTGAGGCTCTTAACCGAGGACTATGCTGATGAGTCC	60
us-10-641-643-1176 :		QY	76	CTTGTGAGGAGGCTCTTAACCGAGGACTATGCTGTAATGCGCA	135
Score 1303.8; Pred. No. 0; Mismatches 7; Indels 12; Gaps 1;		Db	61	CTTGTGAGGAGGCTCTTAACCGAGGACTATGCTGTAATGCGCA	75
Best Local Similarity 98.6%; Conservative 0; Matches 1330; Matches 1330; Conservative		QY	136	GGACCTGTGAGGAAAGTGGTCACTGCTGATGAGTCCATAAAC	195
Matches 1330;保守性0;匹配数1330;保守性		Db	136	GGACCTGTGAGGAAAGTGGTCACTGCTGATGAGTCCATAAAC	195
Db		QY	121	GGACCTGTGAGGAAAGTGGTCACTGCTGATGAGTCCATAAAC	180
Db		QY	196	CTTAAAGAAATGTTGGTGGAGTGG	1323
Db		Db	181	CTTAAAGAAATGTTGGTGGAGTGG	1320
Db		QY	256	CCACCCCTCAATAAATGTTGGTGGAGTGG	1352
Db		QY	241	CCACCCCTCAATAAATGTTGGTGGAGTGG	1349
Db		QY	316	ACTTACCGAGTAATGCGCACGCTCATGAGCAAGATCTCCGCTGCCAACAGATCTCCCGTGTCCCCA	375

US-10-717-597-232  
; Sequence 232, Application US/10717597  
; Publication No. US2004010221A1.  
; GENERAL INFORMATION:  
; APPLICANT: Wyeth  
; Burczynski, Michael E.  
; Twine, Natalie C.  
; Dornier, Andrew J.  
; APPLICANT: Trepicchio, William L.  
; APPLICANT: Slonim, Donna K.  
; APPLICANT: Stover, Jennifer A.  
; TITLE OF INVENTION: METHODS FOR DIAGNOSING RCC AND OTHER SOLID TUMORS  
; CURRENT APPLICATION NUMBER: US/10/717,597  
; CURRENT FILING DATE: 2003-11-21  
; PRIOR APPLICATION NUMBER: US 60/459,782  
; PRIOR FILING DATE: 2003-04-03  
; PRIOR APPLICATION NUMBER: US 60/427,982  
; PRIOR FILING DATE: 2002-11-21  
; NUMBER OF SEQ ID NOS: 4904  
; SOFTWARE: PatentIn version 3.2  
; SEQ ID NO: 232  
; LENGTH: 1349  
; TYPE: DNA  
; ORGANISM: Homo sapiens  
; US-10-717-597-232

Query Match 94.3%; Score 1303.8; DB 18; Length 1349;  
Best Local Similarity 98.6%; Pred. No. 0; Mismatches 0; Indels 12; Gaps 1;  
Matches 1330; Conservative 0; Gaps 1;

Qy	16	GAGCACTGAGGCCACCCAGTCATGGGGACACTTCAATCCCTCACATGCCCTGCTGGG	75	Db	1	GAGCACTGAGGCCACCCAGTCATGGGGACACTTCAATCCCTGCTGGG	60
Qy	76	CTTGAGAGGCCTTGTGAAACCGAGACTATGTAATGTTCTGTGAATTAATGCA	135	Db	61	CTTGAGAGGCCTTGTGAAACCGAGACTATGTAATGTTCTGTGAATTAATGCA	120
Qy	136	GGACCTGAGGGAAAGGCTTCAACGAGTCAATGAAAC	195	Db	121	GGACCTGAGGGAAAGGCTTCAACGAGTCAATGAAAC	180
Qy	196	CTTAAAAGAAATGTTCCCTATTGAGCAGGGGATCAATCCAGAGAACAGGATCATCCC	255	Db	181	CTTAAAAGAAATGTTCCCTATTGAGCAGGGGATCAATCCAGAGAACAGGATCATCCC	240
Qy	256	CCACCTCCAGTCCAGTCCAGTGGTTGAGGCCAGGGGATCAATCCAGAGAACAGGAC	315	Db	241	CCACCTCCAGTCCAGTCCAGTGGTTGAGGCCAGGGGATCAATCCAGAGAACAGGAC	300
Qy	316	ACTTACCGAGTACTGAGAGCTGATGACCTCCAGATCTCCGTCCTCCAGATCCAGATC	375	Db	301	ACTTACCGAGTACTGAGAGCTGATGACCTCCAGATCTCCGTCCTCCAGATCCAGATC	360
Qy	376	CCCTCTCCGACTTCTCAAGTGTGCTCCAGTGGCTCAAGTGTGCTCCAGATCTCCAGATC	435	Db	361	CCCTCTCCGACTTCTCAAGTGTGCTCCAGTGGCTCAAGTGTGCTCCAGATCTCCAGATC	420
Qy	436	AAAAAGCCAGAGACATATTGTGTCAGAAGTGGCAAGTAGCCGAGAACATCAC	495	Db	421	AAAAAGCCAGAGACATATTGTGTCAGAAGTGGCAAGTAGCCGAGAACATCAC	480
Qy	496	CGAGATGGCTCTGTCAGTCAAGTGTGCTCCAGGGAACGCTGAGGTCAGAGGAGC	555	Db	481	CGAGATGGCTCTGTCAGTCAAGTGTGCTCCAGGGAACGCTGAGGTCAGAGGAGC	540
Qy	556	CGAGATGGCTCTGTCAGTCAAGTGTGCTCCAGGGAACGCTGAGGTCAGAGGAGC	615	Db	541	CGAGATGGCTCTGTCAGTCAAGTGTGCTCCAGGGAACGCTGAGGTCAGAGGAGC	600
Qy	616	GTCGTTCTCGATGAAAGCAAGGAGCTCCAGTCAGTCAGTCAGTCAGTCAGTCAG	675	Db			

RESULT 8  
US-10-775-169-110  
; Sequence 110, Application US/10775169  
; Publication No. US2004017543A1  
; GENERAL INFORMATION:  
; APPLICANT: Burzynski, Michael  
; Twine, Natalie  
; APPLICANT: Dornier, Andrew  
; APPLICANT: Trepicchio, William  
; TITLE OF INVENTION: Method for Monitoring Drug Activities In Vivo  
; FILE REFERENCE: AM101080 (031896-013000)  
; CURRENT APPLICATION NUMBER: US/10/775,169  
; CURRENT FILING DATE: 2004-02-11  
; NUMBER OF SEQ ID NOS: 5278  
; SOFTWARE: PatentIn version 3.2  
; SEQ ID NO: 110  
; LENGTH: 1349  
; TYPE: DNA  
; ORGANISM: Homo sapiens  
; US-10-775-169-110



Sequence 1, Application US/10437427  
 Publication No. US2004009901A1  
 GENERAL INFORMATION:  
 APPLICANT: Rikard Holmdahl  
 ATTORNEY OR AGENT: Peter Olofsson  
 TITLE OF INVENTION: Autoimmune Conditions and NADPH Oxidase  
 FILE REFERENCE: 11145-024001  
 CURRENT APPLICATION NUMBER: US/10/437,427  
 PRIORITY NUMBER: US 60/380,904  
 PRIORITY FILING DATE: 2003-05-13  
 PRIORITY NUMBER: US 60/429,609  
 PRIORITY FILING DATE: 2002-11-27  
 NUMBER OF SEQ ID NOS: 8  
 SOFTWARE: FastSEQ for Windows Version 4.0  
 SEQ ID NO: 1  
 LENGTH: 1349  
 TYPE: DNA  
 ORGANISM: Rattus norvegicus  
 US-10-437-427-1

Query	Match	Score	Length	Pred.	No.	Re-	Indels	Gaps
Qy	CGAGCAGAACCTCATAGCTGCCACCAAGATCPCCGGTGCCTCACCTCCACTCTGACTT	360	54.9%	758.6	DB 17;	1349;		
388	CTTCAGGTGCGCCCTGATGACCTCAAGCTCCCCACGGACAAACGACAACAAAAGCCGA	447	78.6%	570	DB 18;	1349;	0	0
361	CTTCAGGTGCGCCCTGATGACCTCAAGCTCCCCACGGACAAACGACAACAAAAGCCGA	420	78.6%	570	DB 18;	1349;	0	0
448	GACATACATGCCCCAAAGATGGCAGAGATACGGGAGACATGCGGATCGGGCTCCGGATGCTCT	507	54.9%	758.6	DB 17;	1349;		
421	GACATACATGCCCCAAAGATGGCAGAGATACGGGAGACATGCGGATCGGGCTCCGGATGCTCT	480	54.9%	758.6	DB 17;	1349;	0	0
508	CCTGCGAGACCTACCGCGCATTCGGCAACTACGAGAACCTCGGGCTCCGGATGCTCT	567	54.9%	758.6	DB 17;	1349;		
481	CCTGAGAGCTACCGCGCATTCGGCAACTACGAGAACCTCGGGCTCCGGATGCTCT	540	54.9%	758.6	DB 17;	1349;	0	0
568	GTCACAGGGGACCTGGGAGACCTGGGAGCTAGAGAAGGGAGGGTTGGTTCTGTC	627	54.9%	758.6	DB 17;	1349;	0	0
541	GTCACAGGGGACCTGGGAGACCTGGGAGCTGGTGTGTC	600	54.9%	758.6	DB 17;	1349;	0	0
628	GATGAAAGGAAAGCAGGGGGATCCGGCTCCAGGCTGAGCACAGTCCTG	687	54.9%	758.6	DB 17;	1349;	0	0
601	GATGAAAGGAAAGCAGGGGGATCCGGCTGAGCACAGTCCTG	660	54.9%	758.6	DB 17;	1349;	0	0
688	CGAGACGGGAAACCTGAGCCAACTATGAGGTGAGCCATACTGTGCCATCAAGGCCCTA	747	54.9%	758.6	DB 17;	1349;		
661	CGAGGAGAACCTGAGCCAACTATGAGGTGAGCCATAAGGCCCTA	720	54.9%	758.6	DB 17;	1349;	0	0
748	CACNGCTGTTGGGGAGCAGGGGTCCTGGCTCGAGGTGAAGCTGTTAGGTCTTCA	807	54.9%	758.6	DB 17;	1349;	0	0
721	CACTGCTGTTGGGGAGCAGGGTCTCGCTCTCGAGGTGAAGGTCTTCA	780	54.9%	758.6	DB 17;	1349;	0	0
808	CAAGTCTCTGAGCTGCTTCAAGGTAAGGGTACTTCGGTC	855	54.9%	758.6	DB 17;	1349;	0	0
781	CAAGTCTCTGAGCTGCTTCAAGGTAAGGGTACTTCGGTC	840	54.9%	758.6	DB 17;	1349;	0	0
856	CATGTACCTCAAAAGTCAAGGCAAGCTGTCCTCAGGCCAACGCGG	915	54.9%	758.6	DB 17;	1349;	0	0
841	CATGTACCTCAAAAGTCAAGGCAAGCTGTCCTCAGGCCAACGCGG	900	54.9%	758.6	DB 17;	1349;	0	0
916	GGCCGCCGCCAGGTGCGCCATCGCAAGCTCCAGGATCCAGGCTTCGGCAA	975	54.9%	758.6	DB 17;	1349;	0	0
901	GGCCGCCGCCAGGTGCGCCATCGCAAGCTCCAGGATCCAGGCTTCGGCAA	960	54.9%	758.6	DB 17;	1349;	0	0
976	GCGCTCAGGAGGACGCTATCGCGCACAGCTCGTTCAGGAGGAGCGG	1035	54.9%	758.6	DB 17;	1349;	0	0
961	GCGCTCAGGAGGACGCTATCGCGCACAGCTCGTTCAGGAGGAGCGG	1020	54.9%	758.6	DB 17;	1349;	0	0
1036	CCAGCGCCGCCAGGACCGAGCCGGAGGGGGAGCGCA	1095	54.9%	758.6	DB 17;	1349;	0	0
1021	CCAGCGCCGCCAGGACCGAGCCGGAGGGAGCGCA	1080	54.9%	758.6	DB 17;	1349;	0	0
1096	GCGCTCTAAACCGCAAGCTGGCTCGTGTGAGCTCTCTGAAACCG	1155	54.9%	758.6	DB 17;	1349;	0	0
1081	GCGCTCTAAACCGCAAGCTGGCTCGTGTGAGCTCTCTGAAACCG	1140	54.9%	758.6	DB 17;	1349;	0	0
1156	CTGCGAGGAGCAAGGGGAACCTGGCTCGTGTGAGCTGCGAGCTCCC	1215	54.9%	758.6	DB 17;	1349;	0	0
1141	CTGCGAGGAGCAAGGGGAACCTGGCTCGTGTGAGCTGCGAGCTCCC	1200	54.9%	758.6	DB 17;	1349;	0	0
1216	CAGCTAGCCCTCGGCCCTGGCCGCCGCTGGAGGGGGAGCGCA	1275	54.9%	758.6	DB 17;	1349;	0	0
1201	CAGCTAGCCCTCGGCCCTGGAGGGGGAGCGCA	1260	54.9%	758.6	DB 17;	1349;	0	0
1096	CGCTCTGGACCCGGGACCCCGGACCCCTGTCCAGGGGGCTCCGCAACCTCA	1335	54.9%	758.6	DB 17;	1349;	0	0
1081	CGCTCTGGACCCGGGACCCCTGTCCAGGGGGCTCCGCAACCTCA	1320	54.9%	758.6	DB 17;	1349;	0	0
1156	CGCTCTGGACCCGGGACCCCTGTCCAGGGGGCTCCGCAACCTCA	1320	54.9%	758.6	DB 17;	1349;	0	0
1141	CGCTCTGGACCCGGGACCCCTGTCCAGGGGGCTCCGCAACCTCA	1320	54.9%	758.6	DB 17;	1349;	0	0
1216	CGCTCTGGACCCGGGACCCCTGTCCAGGGGGCTCCGCAACCTCA	1320	54.9%	758.6	DB 17;	1349;	0	0
1201	CGCTCTGGACCCGGGACCCCTGTCCAGGGGGCTCCGCAACCTCA	1320	54.9%	758.6	DB 17;	1349;	0	0
1096	CGCTCTGGACCCGGGACCCCTGTCCAGGGGGCTCCGCAACCTCA	1320	54.9%	758.6	DB 17;	1349;	0	0
1081	CGCTCTGGACCCGGGACCCCTGTCCAGGGGGCTCCGCAACCTCA	1320	54.9%	758.6	DB 17;	1349;	0	0
1156	CGCTCTGGACCCGGGACCCCTGTCCAGGGGGCTCCGCAACCTCA	1320	54.9%	758.6	DB 17;	1349;	0	0
1141	CGCTCTGGACCCGGGACCCCTGTCCAGGGGGCTCCGCAACCTCA	1320	54.9%	758.6	DB 17;	1349;	0	0
1216	CGCTCTGGACCCGGGACCCCTGTCCAGGGGGCTCCGCAACCTCA	1320	54.9%	758.6	DB 17;	1349;	0	0
1201	CGCTCTGGACCCGGGACCCCTGTCCAGGGGGCTCCGCAACCTCA	1320	54.9%	758.6	DB 17;	1349;	0	0
1096	CGCTCTGGACCCGGGACCCCTGTCCAGGGGGCTCCGCAACCTCA	1320	54.9%	758.6	DB 17;	1349;	0	0
1081	CGCTCTGGACCCGGGACCCCTGTCCAGGGGGCTCCGCAACCTCA	1320	54.9%	758.6	DB 17;	1349;	0	0
1156	CGCTCTGGACCCGGGACCCCTGTCCAGGGGGCTCCGCAACCTCA	1320	54.9%	758.6	DB 17;	1349;	0	0
1141	CGCTCTGGACCCGGGACCCCTGTCCAGGGGGCTCCGCAACCTCA	1320	54.9%	758.6	DB 17;	1349;	0	0
1216	CGCTCTGGACCCGGGACCCCTGTCCAGGGGGCTCCGCAACCTCA	1320	54.9%	758.6	DB 17;	1349;	0	0
1201	CGCTCTGGACCCGGGACCCCTGTCCAGGGGGCTCCGCAACCTCA	1320	54.9%	758.6	DB 17;	1349;	0	0
1096	CGCTCTGGACCCGGGACCCCTGTCCAGGGGGCTCCGCAACCTCA	1320	54.9%	758.6	DB 17;	1349;	0	0
1081	CGCTCTGGACCCGGGACCCCTGTCCAGGGGGCTCCGCAACCTCA	1320	54.9%	758.6	DB 17;	1349;	0	0
1156	CGCTCTGGACCCGGGACCCCTGTCCAGGGGGCTCCGCAACCTCA	1320	54.9%	758.6	DB 17;	1349;	0	0
1141	CGCTCTGGACCCGGGACCCCTGTCCAGGGGGCTCCGCAACCTCA	1320	54.9%	758.6	DB 17;	1349;	0	0
1216	CGCTCTGGACCCGGGACCCCTGTCCAGGGGGCTCCGCAACCTCA	1320	54.9%	758.6	DB 17;	1349;	0	0
1201	CGCTCTGGACCCGGGACCCCTGTCCAGGGGGCTCCGCAACCTCA	1320	54.9%	758.6	DB 17;	1349;	0	0
1096	CGCTCTGGACCCGGGACCCCTGTCCAGGGGGCTCCGCAACCTCA	1320	54.9%	758.6	DB 17;	1349;	0	0
1081	CGCTCTGGACCCGGGACCCCTGTCCAGGGGGCTCCGCAACCTCA	1320	54.9%	758.6	DB 17;	1349;	0	0
1156	CGCTCTGGACCCGGGACCCCTGTCCAGGGGGCTCCGCAACCTCA	1320	54.9%	758.6	DB 17;	1349;	0	0
1141	CGCTCTGGACCCGGGACCCCTGTCCAGGGGGCTCCGCAACCTCA	1320	54.9%	758.6	DB 17;	1349;	0	0
1216	CGCTCTGGACCCGGGACCCCTGTCCAGGGGGCTCCGCAACCTCA	1320	54.9%	758.6	DB 17;	1349;	0	0
1201	CGCTCTGGACCCGGGACCCCTGTCCAGGGGGCTCCGCAACCTCA	1320	54.9%	758.6	DB 17;	1349;	0	0
1096	CGCTCTGGACCCGGGACCCCTGTCCAGGGGGCTCCGCAACCTCA	1320	54.9%	758.6	DB 17;	1349;	0	0
1081	CGCTCTGGACCCGGGACCCCTGTCCAGGGGGCTCCGCAACCTCA	1320	54.9%	758.6	DB 17;	1349;	0	0
1156	CGCTCTGGACCCGGGACCCCTGTCCAGGGGGCTCCGCAACCTCA	1320	54.9%	758.6	DB 17;	1349;	0	0
1141	CGCTCTGGACCCGGGACCCCTGTCCAGGGGGCTCCGCAACCTCA	1320	54.9%	758.6	DB 17;	1349;	0	0
1216	CGCTCTGGACCCGGGACCCCTGTCCAGGGGGCTCCGCAACCTCA	1320	54.9%	758.6	DB 17;	1349;	0	0
1201	CGCTCTGGACCCGGGACCCCTGTCCAGGGGGCTCCGCAACCTCA	1320	54.9%	758.6	DB 17;	1349;	0	0
1096	CGCTCTGGACCCGGGACCCCTGTCCAGGGGGCTCCGCAACCTCA	1320	54.9%	758.6	DB 17;	1349;	0	0
1081	CGCTCTGGACCCGGGACCCCTGTCCAGGGGGCTCCGCAACCTCA	1320	54.9%	758.6	DB 17;	1349;	0	0
1156	CGCTCTGGACCCGGGACCCCTGTCCAGGGGGCTCCGCAACCTCA	1320	54.9%	758.6	DB 17;	1349;	0	0
1141	CGCTCTGGACCCGGGACCCCTGTCCAGGGGGCTCCGCAACCTCA	1320	54.9%	758.6	DB 17;	1349;	0	0
1216	CGCTCTGGACCCGGGACCCCTGTCCAGGGGGCTCCGCAACCTCA	1320	54.9%	758.6	DB 17;	1349;	0	0
1201	CGCTCTGGACCCGGGACCCCTGTCCAGGGGGCTCCGCAACCTCA	1320	54.9%	758.6	DB 17;	1349;	0	0
1096	CGCTCTGGACCCGGGACCCCTGTCCAGGGGGCTCCGCAACCTCA	1320	54.9%	758.6	DB 17;	1349;	0	0
1081	CGCTCTGGACCCGGGACCCCTGTCCAGGGGGCTCCGCAACCTCA	1320	54.9%	758.6	DB 17;	1349;	0	0
1156	CGCTCTGGACCCGGGACCCCTGTCCAGGGGGCTCCGCAACCTCA	1320	54.9%	758.6	DB 17;	1349;	0	0
1141	CGCTCTGGACCCGGGACCCCTGTCCAGGGGGCTCCGCAACCTCA	1320	54.9%	758.6	DB 17;	1349;	0	0
1216	CGCTCTGGACCCGGGACCCCTGTCCAGGGGGCTCCGCAACCTCA	1320	54.9%	758.6	DB 17;	1349;	0	0
1201	CGCTCTGGACCCGGGACCCCTGTCCAGGGGGCTCCGCAACCTCA	1320	54.9%	758.6	DB 17;	1349;	0	0
1096	CGCTCTGGACCCGGGACCCCTGTCCAGGGGGCTCCGCAACCTCA	1320	54.9%	758.6	DB 17;	1349;	0	0
1081	CGCTCTGGACCCGGGACCCCTGTCCAGGGGGCTCCGCAACCTCA	1320	54.9%	758.6	DB 17;	1349;	0	0
1156	CGCTCTGGACCCGGGACCCCTGTCCAGGGGGCTCCGCAACCTCA	1320	54.9%	758.6	DB 17;	1349;	0	0
1141	CGCTCTGGACCCGGGACCCCTGTCCAGGGGGCTCCGCAACCTCA	1320	54.9%	758.6	DB 17;	1349;	0	0
1216	CGCTCTGGACCCGGGACCCCTGTCCAGGGGGCTCCGCAACCTCA	1320	54.9%	758.6	DB 17;	1349;	0	0
1201	CGCTCTGGACCCGGGACCCCTGTCCAGGGGGCTCCGCAACCTCA	1320	54.9%	758.6	DB 17;	1349;	0	0
1096	CGCTCTGGACCCGGGACCCCTGTCCAGGGGGCTCCGCAACCTCA	1320	54.9%	758.6	DB 17;	1349;	0	0
1081	CGCTCTGGACCCGGGACCCCTGTCCAGGGGGCTCCGCAACCTCA	1320	54.9%	758.6	DB 17;	1349;	0	0
1156	CGCTCTGGACCCGGGACCCCTGTCCAGGGGGCTCCGCAACCTCA	1320	54.9%	758.6	DB 17;	1349;	0	0
1141	CGCTCTGGACCCGGGACCCCTGTCCAGGGGGCTCCGCAACCTCA	1320	54.9%	758.6	DB 17;	1349;	0	0
1216	CGCTCTGGACCCGGGACCCCTGTCCAGGGGGCTCCGCAACCTCA	1320	54.9%	758.6	DB 17;	1349;	0	0
1201	CGCTCTGGACCCGGGACCCCTGTCCAGGGGGCTCCGCAACCTCA	1320	54.9%	758.6	DB 17;	1349;	0	0
1096	CGCTCTGGACCCGGGACCCCTGTCCAGGGGGCTCCGCAACCTCA	1320	54.9%	758.6	DB 17;	1349;	0	0
1081	CGCTCTGGACCCGGGACCCCTGTCCAGGGGGCTCCGCAACCTCA	1320	54.9%	758.6	DB 17;	1349;	0	0
1156	CGCTCTGGACCCGGGACCCCTGTCCAGGGGGCTCCGCAACCTCA	1320	54.9%	758.6	DB 17;	1349;	0	0
1141	CGCTCTGGACCCGGGACCCCTGTCCAGGGGGCTCCGCAACCTCA	1320	54.9%	758.6	DB 17;	1349;	0	0
1216	CGCTCTGGACCCGGGACCCCTGTCCAGGGGGCTCCGCAACCTCA	1320	54.9%	758.6	DB 17;	1349;	0	0
1201	CGCTCTGGACCCGGGACCCCTGTCCAGGGGGCTCCGCAACCTCA	1320	54.9%	758.6	DB 17;	1349;	0	0
1096	CGCTCTGGACCCGGGACCCCTGTCCAGGGGGCTCCGCAACCTCA	1320	54.9%	758.6	DB 17;	1349;	0	0
1081	CGCTCTGGACCCGGGACCCCTGTCCAGGGGGCTCCGCAACCTCA	1320	54.9%	758.6	DB 17;	1349;	0	0
1156	CGCTCTGGACCCGGGACCCCTGTCCAGGGGGCTCCGCAACCTCA	1320	54.9%	758.6	DB 17;	1349;	0	0
1141	CGCTCTGGACCCGGGACCCCTGTCCAGGGGGCTCCGCAACCTCA	1320	54.9%	758.6	DB 17;	1349;	0	0
1216	CGCTCTGGACCCGGGACCCCTGTCCAGGGGGCTCCGCAACCTCA	1320	54.9%	758.6	DB 17;	1349;	0	0
1201	CGCTCTGGACCCGGGACCCCTGTCCAGGGGGCTCCGCAACCTCA	1320	54.9%	758.6	DB 17;	1349;	0	0
1096	CGCTCTGGACCCGGGACCCCTGTCCAGGGGGCTCCGCAACCTCA	1320	54.9%	758.6	DB 17;	1349;	0	0
1081	CGCTCTGGACCCGGGACCCCTGTCCAGGGGGCTCCGCAACCTCA	1320	54.9%	758.6	DB 17;	1349;	0	0
1156	CGCTCTGGACCCGGGACCCCTGTCCAGGGGGCTCCGCAACCTCA	1320	54.9%	758.6	DB 17;	1349;	0	0
1141	CGCTCTGGACCCGGGACCCCTGTCCAGGGGGCTCCGCAACCTCA	1320	54.9%	758.6	DB 17;	1349;	0	0
1216	CGCTCTGGACCCGGGACCCCTGTCCAGGGGGCTCCGCAACCTCA	1320	54.9%	758.6	DB 17;	1349;	0	0
1201	CGCTCTGGACCCGGGACCCCTGTCCAGGGGGCTCCGCAACCTCA	1320	54.9%	758.6	DB 17;	1349;	0	0
1096	CGCTCTGGACCCGGGACCCCTGTCCAGGGGGCTCCGCAACCTCA	1320	54.9%	758.6	DB 17;	1349;	0	0
1081	CGCTCTGGACCCGGGACCCCTGTCCAGGGGGCTCCGCAACCTCA	1320	54.9%	758.6	DB 17;	1349;	0	0
1156	CGCTCTGGACCCGGGACCCCTGTCCAGGGGGCTCCGCAACCTCA	1320	54.9%	758.6	DB 17;	1349;	0	0
1141	CGCTCTGGACCCGGGACCCCTGTCCAGGGGGCTCCGCAACCTCA	1320	54.9%	758.6	DB 17;	1349;	0	0
1216	CGCTCTGGACCCGGGACCCCTGTCCAGGGGGCTCCGCAACCTCA	1320	54.9%	758.6	DB 17;	1349;	0	0
1201	CGCTCTGGACCCGGGACCCCTGTCCAGGGGGCTCCGCAACCTCA	1320	54.9%	758.6	DB 17;	1349;	0	0
1096	CGCTCTGGACCCGGGACCCCTGTCCAGGGGGCTCCGCAACCTCA	1320	54.9%	758.6	DB 17;	1349;	0	0
1081	CGCTCTGGACCCGGGACCCCTGTCCAGGGGGCTCCGCAACCTCA	1320	54.9%	758.6	DB 17;	1349;	0	0
1156	CGCTCTGGACCCGGGACCCCTGTCCAGGGGGCTCCGCAACCTCA	1320	54.9%	758.6	DB 17;	1349;	0	0
1141	CGCTCTGGACCCGGGACCCCTGTCCAGGGGGCTCCGCAACCTCA	1320	54.9%	758.6	DB 17;	1349;	0	0
1216	CGCTCTGGACCCGGGACCCCTGTCCAGGGGGCTCCGCAACCTCA	1320	54.9%	758.6	DB 17;	1349;	0	0
1201	CGCTCTGGACCCGGGACCCCTGTCCAGGGGGCTCCGCAACCTCA	1320	54.9%	758.6	DB 17;	1349;	0	0
1096	CGCTCTGGACCCGGG							



Qy 1218 GCTAGCGTC 1228  
 Db 1195 GGGTCTATC 1205

**RESULT 12**  
 ; Sequence 1749, Application US/10723860  
 ; Publication No. US2004025360A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Warner Lambert Company  
 ; TITLE OF INVENTION: Method for the screening of compounds that inhibit the interaction between a proline-rich peptide and a SH3 domain-comprising peptide.  
 ; FILE REFERENCE: HTRF-SH3 Domains - Warner Lambert  
 ; CURRENT APPLICATION NUMBER: US/10/202,724  
 ; CURRENT FILING DATE: 2002-07-24  
 ; NUMBER OF SEQ ID NOS: 4  
 ; SOFTWARE: PatentIn Ver. 2.1  
 ; SEQ ID NO: 2  
 ; LENGTH: 402  
 ; TYPE: DNA  
 ; ORGANISM: Homo sapiens  
 ; TITLE OF INVENTION: Methods of Diagnosis of Soft Tissue Sarcoma, Compositions & Methods for Screening for Soft Tissue Sarcoma Modulators  
 ; NUMBER OF SEQ ID NOS: 8393  
 ; CURRENT APPLICATION NUMBER: US/10/723,860  
 ; CURRENT FILING DATE: 2003-11-26  
 ; PRIOR APPLICATION NUMBER: 60/429,739  
 ; PRIOR FILING DATE: 2002-11-26  
 ; NUMBER OF SEQ ID NOS: 8393  
 ; SOFTWARE: PatentIn version 3.2  
 ; SEQ ID NO: 1749  
 ; LENGTH: 545  
 ; TYPE: DNA  
 ; ORGANISM: Homo sapiens  
 ; US-10-723-860-1749

Query Match Score 520; DB 18; Length 545;  
 Best Local Similarity 99.8%; Pred. No. 7.8e-132;  
 Matches 51; Conservative 0; Mismatches 0; Indels 1; Gaps 1;

Qy 1 CCTGAAAGGCCAGGGACTGGAGGCCACCCAGTCACTGGGACACCTTCATCCGTGA 60  
 Db 15 CCTGAAAGGCCA-GGAGGACTGGAGGCCACCCAGTCACTGGGACACCTTCATCCGTGA 73

Qy 61 CATGCCCTGCTGGCTTGAGAGCGCTTGAGACGCACTATGGTACATCT 120  
 Db 74 CATGCCCTGCTGGCTTGAGAGCGCTTGAGACGCACTATGGTACATCT 133

Qy 121 CCTGGTGAATGGAGGACCTGGAGGGGCTTGACCGGCCTAACCGAGATCTA 180  
 Db 134 CCTGGTGAATGGAGGACCTGGAGGGCTTGACCGGCCTAACCGAGATCTA 193

Qy 181 CGAGTTCCATAAACCTTAAGAAATGTCCTATTGGCACGGGCTCATCCGA 240  
 Db 194 CGAGTTCCATAAACCTTAAGAAATGTCCTATTGGCACGGGCTCATCCGA 253

Qy 241 GAACAGGATCATCCCCAACCTCCAGCTCCAAAGTGTCCATTGGCACGGGCTCATCCGA 300  
 Db 254 GAACAGGATCATCCCCAACCTCCAGCTCCAAAGTGTCCATTGGCACGGGCTCATCCGA 313

Qy 301 GAACCGCCAGGCCACATTAACCGAGTACTGGAGCTCATGGCCNGCCACAAAGAT 360  
 Db 314 GAACCGCCAGGCCACATTAACCGAGTACTGGAGCTCATGGCCNGCCACAAAGAT 373

Qy 361 CTCCGGTGTCCCACCTCTGACTGAGTCTCAAGTGTCCCTCATGACCTCAAGCTCC 420  
 Db 374 CTCCGGTGTCCCACCTCTGACTGAGTCTCAAGTGTCCCTCATGACCTCAAGCTCC 433

Qy 4221 CACCGAACCCAGAACAAAGCCAGAACATCTGTGTCGAAGATGGCAGAGATAC 480  
 Db 434 CACCGAACCCAGAACAAAGCCAGAACATCTGTGTCGAAGATGGCAGAGATAC 493

Qy 481 CGCGACAGACATCACCGGCCCATCATCTGTGAGACAGTACCGGCCCATGCC 532  
 Db 494 CGCGACAGACATCACCGGCCCATCATCTGTGAGACAGTACCGGCCCATGCC 545

**RESULT 14**  
 ; Sequence 448, Application US/09925299  
 ; Patent No. US2002055627A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Robert et al.  
 ; TITLE OF INVENTION: Nucleic Acids, Proteins and Antibodies  
 ; FILE REFERENCE: PA102  
 ; CURRENT APPLICATION NUMBER: US/09/925,299  
 ; CURRENT FILING DATE: 2001-08-10  
 ; PRIOR APPLICATION NUMBER: PCT/US00/05883  
 ; PRIOR FILING DATE: 2000-03-08  
 ; PRIOR APPLICATION NUMBER: 60/124,270  
 ; PRIOR FILING DATE: 1999-03-12  
 ; NUMBER OF SEQ ID NOS: 1556  
 ; SOFTWARE: PatentIn Ver. 2.0  
 ; SEQ ID NO: 448  
 ; LENGTH: 425  
 ; TYPE: DNA  
 ; ORGANISM: Homo sapiens  
 ; US-09-925-299-448

Query Match Score 323.8; DB 9;  
 Best Local Similarity 84.1%; Pred. No. 3.2e-78;

**RESULT 13**  
 ; Sequence 2, Application US/10202724  
 ; Publication No. US20030108975A1





Sequence 1, Application US/10109856  
 Patent No. 6709850  
 GENERAL INFORMATION:  
 APPLICANT: SHAO, Wei et al.  
 TITLE OF INVENTION: ISOLATED HUMAN ENZYME PROTEINS, NUCLEIC ACID MOLECULES ENCODING HUMAN ENZYME PROTEINS, AND USES  
 TITLE OF INVENTION: THEREOF  
 FILE REFERENCE: CL001198D1V  
 CURRENT APPLICATION NUMBER: US/10/109, 856  
 CURRENT FILING DATE: 2002-04-01  
 PRIORITY APPLICATION NUMBER: 09/822,005  
 PRIORITY FILING DATE: 2001-03-29  
 NUMBER OF SEQ ID NOS: 4  
 SEQ ID NO: 1  
 SOFTWARE: FastSeq for Windows Version 4.0  
 LENGTH: 1382  
 TYPE: DNA  
 ORGANISM: Homo sapien  
 US-10-109-856-1

Query	Subject	Start	End	Score	Length
QY	CTCCCGCTGTCCTCCACCTCTCGACTTTCAGGTGCCCTGATGCCCTCAGCTCC	420	420	100 %	1382;
421	CACGGACACAGACACAACAAAAGCCAGAACATCTTGATGCCAAAGATGGCAAGATG	480	480	100 %	1382;
421	CACGGACACAGACACAACAAAAGCCAGAACATCTTGATGCCAAAGATGGCAAGATG	480	480	100 %	1382;
481	CGCGACAGACATCACCGGCCATTCATCTGGGACGTACCGGCCATTGCCACTAGA	540	540	100 %	1382;
481	CGCGACAGACATCACCGGCCATTCATCTGGGACGTACCGGCCATTGCCACTAGA	540	540	100 %	1382;
541	GAAGACCTCGGGCTCCGAGATGGCTCTGTCAGATGAAAGCCAGGGGAGCTGGGGT	600	600	100 %	1382;
541	GAAGACCTCGGGCTCCGAGATGGCTCTGTCAGATGAAAGCCAGGGGAGCTGGGGT	600	600	100 %	1382;
601	GAGCGAGAGGCGTTGGCTCTGTCAGATGAAAGCCAGGGGAGCTGGGGT	660	660	100 %	1382;
601	GAGCGAGAGGCGTTGGCTCTGTCAGATGAAAGCCAGGGGAGCTGGGGT	660	660	100 %	1382;
661	CTTCTCTGAGCCCTGAGCTCTGAGCTGGGAGACCTGAGAGAACAGAGAGAG	720	720	100 %	1382;
661	CTTCTCTGAGCCCTGAGCTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGT	720	720	100 %	1382;
721	TGAGCCATACTGTCGCCATCAAGCCCTACACTCTGTCAGATGAGGGGAGAGGG	780	780	100 %	1382;
721	TGAGCCATACTGTCGCCATCAAGCCCTACACTCTGTCAGATGAGGGGAGAGGG	780	780	100 %	1382;
781	CGAGGGTGAAGCTGTTGAGGTCTATTCAAGCTCTGAGGGCTGGAAAGAGACAGTC	840	840	100 %	1382;
781	CGAGGGTGAAGCTGTTGAGGTCTATTCAAGCTCTGAGGGCTGGAAAGAGACAGTC	840	840	100 %	1382;
841	AGGCTACTTCGGTCCATGTACTGCAAAGTCAAGGAAAGAGCTGTTCCAGGCCAACG	900	900	100 %	1382;
841	AGGCTACTTCGGTCCATGTACTGCAAAGTCAAGGAAAGAGCTGTTCCAGGCCAACG	900	900	100 %	1382;
901	CCAGATCAAGGG	960	960	100 %	1382;
901	CCAGATCAAGGG	960	960	100 %	1382;
961	CCAGCAGCGACGGCCAGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGG	1020	1020	100 %	1382;
961	CCAGCAGCGACGGCCAGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGG	1020	1020	100 %	1382;
1021	GGAGCAGCGACGGCCAGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGG	1080	1080	100 %	1382;
1021	GGAGCAGCGACGGCCAGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGG	1080	1080	100 %	1382;
1081	GGAGCGGGAGACCGAGCGCTTAACCCAGCGCCGGGTGGCCCCGGCGAGGCGCG	1140	1140	100 %	1382;
1081	GGAGCGGGAGACCGAGCGCTTAACCCAGCGCCGGGTGGCCCCGGCGAGGCGCG	1140	1140	100 %	1382;
1141	CCTCATCTGAAACCGCTGGAGGCTGAGGAGAACGCTGGGCTCTGCTGAGG	1200	1200	100 %	1382;
1141	CCTCATCTGAAACCGCTGGAGGAGAACGCTGGGCTCTGCTGAGG	1200	1200	100 %	1382;
1201	CTGGAGGGAGTCCCAGTAGGCTGGCTGGCCCTGTGATATACTG	1260	1260	100 %	1382;
1201	CTGGAGGGAGTCCCAGTAGGCTGGCTGGCCCTGTGATATACTG	1260	1260	100 %	1382;
1261	TCTATAGGCTGGCTGGCCCTGAGGCCAGGGAGCCCTGTGATATACTG	1320	1320	100 %	1382;
1261	TCTATAGGCTGGCTGGCCCTGAGGCCAGGGAGCCCTGTGATATACTG	1320	1320	100 %	1382;
1381	AA 1382				
1381	AA 1382				

RESULT 2  
 US-10-109-856-1

**RESULT<sup>3</sup>**  
US-09-023-655-1176  
Sequence 1176, Application US/09023655

GENERAL INFORMATION:  
APPLICANT: Cocks, Benjamin G.  
APPLICANT: Susan G. Stewart  
APPLICANT: Jeffrey J. Seillhamer  
TITLE OF INVENTION: COMPOSITION FOR THE DETECTION OF BLOOD CELL GENES  
NUMBER OF SEQUENCES: 1508  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: INCYTE PHARMACEUTICALS, INC.  
STREET: 3174 PORTER DRIVE  
CITY: PALO ALTO  
STATE: CALIFORNIA  
COUNTRY: USA  
ZIP: 94304  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Word Perfect 6.1 for Windows/MS-DOS 6.2  
CURRENT APPLICATION NUMBER: US/09/023, 655

FILING DATE: HEREWITH  
CLASSIFICATION: PRIORITY APPLICATION DATA:  
APPLICATION NUMBER:  
FILING DATE:  
CLASSIFICATION:  
NAME: Zeller, Karen J.  
REGISTRATION NUMBER: 37,071  
REFERENCE/DOCKET NUMBER: PA-0001 US  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (650) 855-0555  
TELEFAX: (650) 845-4166  
INFORMATION FOR SEQ ID NO: 1176:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 1349 base pairs  
TYPE: nucleic acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
IMPROVEMENT SOURCE:  
LIBRARY: GENBANK  
CLONE#: 9189050  
US-09-023-655-1176

Query Match Score 1303; 8; DB 4; Length 1349;  
Best Local Similarity 98.6%; Pred. No. 1.4e-398;  
Matches 1330; Conservative 0; Mismatches 7; Indels 12; Gaps 1;

Query	Start	End	Length	Score	Similarity	Best Local Similarity	Conservative	Mismatches	Indels	Gaps
Qy	961	1020	60	16	GAGCACTGGAGGCCACCCAGCTCATGGTCAATCCCACAGGCGACATCCA	98.6%	98.6%	0	12	1
Db	961	1020	60	1	GAGCACTGGAGGCCACCCAGCTCATGGTCAATCCCACAGGCGACATCCA	98.6%	98.6%	0	12	1
Qy	1021	1080	60	76	CTTTGAGAAGGCCCTTGATCCAGCAGCATATGTCATGTTCCTGGAAACGGCA	98.6%	98.6%	0	12	1
Db	1021	1080	60	61	CTTTGAGAAGGCCCTTGATCCAGCAGCATATGTCATGTTCCTGGAAACGGCA	98.6%	98.6%	0	12	1
Qy	1081	1140	60	135	CTTGAGGCAAGTCCCCAGCTAGCTCTGGCTCTGGCTCTGGCTCTGGT	98.6%	98.6%	0	12	1
Db	1081	1140	60	61	CTTGAGGCAAGTCCCCAGCTAGCTCTGGCTCTGGCTCTGGT	98.6%	98.6%	0	12	1
Qy	1141	1200	60	135	CTTCATCCTGAACCGCTGAGCCAGAACGCGCCATGGCTGAGG	98.6%	98.6%	0	12	1
Db	1141	1200	60	61	CTTCATCCTGAACCGCTGAGCCAGAACGCGCCATGGCTGAGG	98.6%	98.6%	0	12	1
Qy	1201	1260	60	135	CTGGAGGCAAGTCCCCAGCTAGCTCTGGCTCTGGCTCTGGT	98.6%	98.6%	0	12	1
Db	1201	1260	60	61	CTGGAGGCAAGTCCCCAGCTAGCTCTGGCTCTGGCTCTGGT	98.6%	98.6%	0	12	1
Qy	1261	1320	60	136	TCTATAGCTGGCTCTGGCTCTGGCTCTGGCTCTGGCTCTGGCT	98.6%	98.6%	0	12	1
Db	1261	1320	60	121	TCTATAGCTGGCTCTGGCTCTGGCTCTGGCTCTGGCTCTGGCT	98.6%	98.6%	0	12	1
Qy	1321	1380	60	196	CTTAAAGAAATGTTCCCTATTGAGGAGGCCGATCAATCCAGAAACGGATCATCCC	98.6%	98.6%	0	12	1
Db	1321	1380	60	181	CTTAAAGAAATGTTCCCTATTGAGGAGGCCGATCAATCCAGAAACGGATCATCCC	98.6%	98.6%	0	12	1
Qy	1381	1382	2	256	CCACCCCTCCAGCTCCAGCTTGACGGCTGCTGATGTCAGGATCTCCGCTGAGA	98.6%	98.6%	0	12	1
Db	1381	1382	2	241	CCACCCCTCCAGCTCCAGCTTGACGGCTGCTGATGTCAGGATCTCCGCTGAGA	98.6%	98.6%	0	12	1
Qy	1382	1383	1	376	CCTCCCTGACTCTCTAGGTCTGCCTGATGACCTCAAGTCTCCAGGAAACGAGAC	98.6%	98.6%	0	12	1
Db	1382	1383	1	361	CCTCCCTGACTCTCTAGGTCTGCCTGATGACCTCAAGTCTCCGCTGAGA	98.6%	98.6%	0	12	1
Qy	1383	1384	1	436	AAAAAGCCAGAGACATACITGATGCCAAGATGCCAGCTGCCAGACATCAC	98.6%	98.6%	0	12	1
Db	1383	1384	1	421	AAAAAGCCAGAGACATACITGATGCCAAGATGCCAGCTGCCAGACATCAC	98.6%	98.6%	0	12	1
Qy	1384	1385	1	496	CGGCCCATCATCTCTGAGCTACAGCTGATGCCAGCTGCCAGACATCAC	98.6%	98.6%	0	12	1
Db	1384	1385	1	481	CGGCCCATCATCTCTGAGCTACAGCTGATGCCAGCTGCCAGACATCAC	98.6%	98.6%	0	12	1
Qy	1385	1386	1	556	CGAGATGGCTCTGCTACGGGACCTGGTAGAGAAGCTGGCTGAGCCTTG	98.6%	98.6%	0	12	1
Db	1385	1386	1	541	CGAGATGGCTCTGCTACGGGACCTGGTAGAGAAGCTGGCTGAGCCTTG	98.6%	98.6%	0	12	1
Qy	1386	1387	1	616	GTGGTTCTGCTGAGATAAGGAAAGCTGGTAGAGAAGCTGGCTGAGCCTTG	98.6%	98.6%	0	12	1
Db	1386	1387	1	601	GTGGTTCTGCTGAGATAAGGAAAGCTGGTAGAGAAGCTGGCTGAGCCTTG	98.6%	98.6%	0	12	1
Qy	1387	1388	1	676	GAACAAGTCCTGAGAAAGCCTGAGCCAACTATGAGGTGAGCCTGAGC	98.6%	98.6%	0	12	1





PRIOR FILING DATE: 2000-07-10  
; SEQ ID NOS: 16825  
; LENGTH: 1902  
; TYPE: DNA  
; ORGANISM: Myxococcus xanthus  
US-09-902-540-8758

Query Match Score 51.8; DB 4; Length 1902;  
Best Local Similarity 45.5%; Pred. No. 0.018;  
Matches 185; Conservative 0; Mismatches 222; Indels 0; Gaps 0;

Qy	766 CGGGTGTCCCTCGAGGTTGA GGTTATTCAAAAGTCCCTGGACGGT 825
Db	1086 CGGGGGGGTGTGGCTAGCCGCTCAGGGCATGGGAACTGGCAACA 1145
Qy	826 GAAAGACGACGTCACAGCTACTCCGGTCAATGACCTGCAAAGACT 885
Db	1146 GGCGGAGGTGGCTGGCCCTGAAAGCTCAAGGGGAGGACAC 1205
Qy	886 GTCAGGCCAACGCCAGATCAAGGCCAGCTGGCCAGGTCGTCACTCGCAA 945
Db	1206 GGAGCCCCGTCTGGCAAACCTGGAGCTGGCAAGGTGGCGAGGC 1265
Qy	946 CGCGCAAGCATCACAGGCTTGCGGAAAGGCCATTAGCGCAA 1005
Db	1266 CGGCRGGGAAATCGAGCTGGCTCCAGCGGZAGGGAAACCCAA 1325
Qy	1006 CAGGGTCGGTTCTGAGCAGCAAGCGCTTAACCGCAGGGCCAGGG 1055
Db	1326 GCGCAAGATGGAGTCGGCGCAAGGGCTGGGAGCCGAGGCCAGG 1385
Qy	1066 GAGGCCGCTCGAGGAGCCAGCGAGCTTAACCGCAGCCGGTGGCCC 1125
Db	1386 GCAAGACGAGGGGTGAGCTGGCGAGGAGGAGGCGGGCAA 1445
Qy	1126 GGGCCAGGCCGACCTCATCTGAAACCGCTGAGGGAGGACCA 1172
Db	1446 GGGCAGCTGGAGCTGGAGCCGCGAGCGAACAGGCCA 1492

RESULT 9  
US-09-902-540-929/c  
; Sequence 929, Application US/09902540  
; Patent No. 6833447  
; GENERAL INFORMATION:  
; APPLICANT: Goldman, Barry S.  
; APPLICANT: Hinckle, Gregory J.  
; APPLICANT: Slater, Steven C.  
; APPLICANT: Wiegand, Roger C.  
; TITLE OF INVENTION: Myxococcus xanthus Genome Sequences and Uses Thereof  
; FILE REFERENCE: 38-115849JB  
; CURRENT APPLICATION NUMBER: US/09/902,540  
; CURRENT FILING DATE: 2001-07-10  
; PRIOR APPLICATION NUMBER: 60/217,883  
; PRIOR FILING DATE: 2000-07-10  
; NUMBER OF SEQ ID NOS: 16825  
; SEQ ID NO 929  
; LENGTH: 9556  
; TYPE: DNA  
; ORGANISM: Myxococcus xanthus  
US-09-902-540-929

Query Match Score 51.8; DB 4; Length 9556;  
Best Local Similarity 45.5%; Pred. No. 0.031;  
Matches 185; Conservative 0; Mismatches 222; Indels 0; Gaps 0;

Qy	766 CGAGGTGCTCTGCTGAGGGTGAAGCTGTGAGGCTCTGGAGGGCT 825
Db	2763 CGAGCGGGCTGGCTCACTGGCCCTCAAGTGGAGATGGAGCTGGCAACA 2704
Qy	826 GAAAGACGACGTCACAGGCTACTTCGGTCAATGACCTGAAAGTCAAGG 885

RESULT 11  
US-09-902-991A-2016/c  
; Sequence 2016, Application US/09252991A  
; Patent No. 6551795  
; GENERAL INFORMATION:  
; APPLICANT: Marc J. Rubenfield et al.  
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS AERUGINOSA FOR DIAGNOSTICS AND THERAPEUTICS  
; FILE REFERENCE: 107996-126  
; CURRENT APPLICATION NUMBER: US/09/252, 991A  
; CURRENT FILING DATE: 1999-02-18  
; PRIOR APPLICATION NUMBER: US 60/074,788  
; PRIOR FILING DATE: 1998-02-18  
; PRIOR APPLICATION NUMBER: US 60/094,190  
; PRIOR FILING DATE: 1998-07-27  
; NUMBER OF SEQ ID NOS: 33142  
; SEQ ID NO 1708  
; LENGTH: 2172  
; TYPE: DNA  
; ORGANISM: Pseudomonas aeruginosa  
US-09-252-991A-1708

Query Match Score 48.8; DB 4; Length 2172;  
Best Local Similarity 50.0%; Pred. No. 0.094;  
Matches 122; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy	157 CTACGGCGGTTACCGAGATCTACAGGTTCCATAAAAGAAATGTTCCCTAT 216
Db	990 CCACTGGGAAACGGGAAACCTAGAAATGGGCTCCCGCGAGAGCTGGCGAG 1049
Qy	217 TGAGCAGGGCGATCAATCAGAAACAGGATATCCCAACCTCCAGCTCCAAAGTG 276
Db	1050 GGACTTACCTGGCATCGCCACGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG 1109
Qy	277 GTTTCAGGCCAGGGCCGCCAGAAACGCCAGGCCATTCACCGACTTCAGCAC 336
Db	1110 CCAGCAGGCCCTGGCTGAGCTGAGCGAACCTGGTGGCGACCCCTGGCTGAGCTAACACCGCAT 1169
Qy	337 GCTCATGAGCTGCTGCCACAGATCTCCGGTGTCCCACCTCTCGACTCTCTCAAGGT 396
Db	1170 CCGETTCCGCTGACCAAACATATCGCCCTATACCGATGTCGGCGACATCATCGA 1229

RESULT 11  
US-09-252-991A-2016/c  
; Sequence 2016, Application US/09252991A  
; Patent No. 6551795  
; GENERAL INFORMATION:  
; APPLICANT: Marc J. Rubenfield et al.  
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS AERUGINOSA FOR DIAGNOSTICS AND THERAPEUTICS  
; FILE REFERENCE: 107996-126  
; CURRENT APPLICATION NUMBER: US/09/252, 991A  
; CURRENT FILING DATE: 1999-02-18  
; PRIOR APPLICATION NUMBER: US 60/074,788  
; PRIOR FILING DATE: 1998-02-18  
; PRIOR APPLICATION NUMBER: US 60/094,190  
; PRIOR FILING DATE: 1998-07-27  
; NUMBER OF SEQ ID NOS: 33142  
; SEQ ID NO 1708  
; LENGTH: 2172  
; TYPE: DNA  
; ORGANISM: Pseudomonas aeruginosa  
US-09-252-991A-1708

Query Match Score 48.8; DB 4; Length 2172;  
Best Local Similarity 50.0%; Pred. No. 0.094;  
Matches 122; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy	157 CTACGGCGGTTACCGAGATCTACAGGTTCCATAAAAGAAATGTTCCCTAT 216
Db	990 CCACTGGGAAACGGGAAACCTAGAAATGGGCTCCCGCGAGAGCTGGCGAG 1049
Qy	217 TGAGCAGGGCGATCAATCAGAAACAGGATATCCCAACCTCCAGCTCCAAAGTG 276
Db	1050 GGACTTACCTGGCATCGCCACGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG 1109
Qy	277 GTTTCAGGCCAGGGCCGCCAGAAACGCCAGGCCATTCACCGACTTCAGCAC 336
Db	1110 CCAGCAGGCCCTGGCTGAGCTGAGCGAACCTGGTGGCGACCCCTGGCTGAGCTAACACCGCAT 1169
Qy	337 GCTCATGAGCTGCTGCCACAGATCTCCGGTGTCCCACCTCTCGACTCTCTCAAGGT 396
Db	1170 CCGETTCCGCTGACCAAACATATCGCCCTATACCGATGTCGGCGACATCATCGA 1229

Patent No. 6551795  
 GENERAL INFORMATION:  
 APPLICANT: Marc J. Rubenfield et al.  
 TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS  
 FILE REFERENCE: 107196.136  
 CURRENT APPLICATION NUMBER: US/09/252.991A  
 CURRENT FILING DATE: 1999-02-18  
 PRIOR APPLICATION NUMBER: US 60/074,788  
 PRIOR FILING DATE: 1998-02-18  
 PRIOR FILING DATE: 1998-07-27  
 NUMBER OF SEQ ID NOS: 33142  
 SEQ ID NO 2016  
 LENGTH: 2241  
 TYPE: DNA  
 ORGANISM: *Pseudomonas aeruginosa*  
 US-09-252-991A-2016

Query Match Score 3.5%; DB 4; Length 2241;  
 Best Local Similarity 50.0%; Pred. No. 0.095; Indels 0; Gaps 0;  
 Matches 122; Conservative 0; Mismatches 122; Delins 0;

Qy 157 CTACCGGCTTCACCGAGATCTACAGGTCTTAAACCTTAAGAAATGTTCCCTAT 216  
 Db 1246 CCACCTGGCAACGCCAACCTACGAATGGACCTGGCTGGCAGAGCTTGCGAG 1187

Qy 217 TGAGCAAGGGCATCATCCAGAGACAGGATCATCCAGCTCCAGTCAGTGG 276  
 Db 1186 GGACTACTCTGGCATCACCCAGAGGGAGGAGATGGGACCCGGG 1127

Qy 277 GTTGAAGGGCAGGGCCGGAGAACGCCAGGGCACATTACCGAGTACTGGCAC 336  
 Db 1126 CCAGCAACCCCTTCGCTGACAGCGCAACCCCTGGCTGGAGTAGACCGCAT 1067

Qy 337 GCTCATGAGCTGGCCACCAAGATCTCCGGTGTCCCACCTCTCACTTCAGGT 396  
 Db 1066 CGGCTTCGGCTGACCAACATATGGCCCTATACGATGTGGCGGGAGTACATCGA 1007

Qy 397 GCGC 400  
 Db 1006 CCCC 1003

RESULT 12  
 US-09-252-991A-1856  
 Sequence 1856 Application US/09252991A  
 Patent No. 6551795  
 GENERAL INFORMATION:  
 APPLICANT: Marc J. Rubenfield et al.  
 TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS  
 FILE REFERENCE: 107196.136  
 CURRENT APPLICATION NUMBER: US/09/252.991A  
 CURRENT FILING DATE: 1999-02-18  
 PRIOR APPLICATION NUMBER: US 60/074,788  
 PRIOR FILING DATE: 1998-02-18  
 PRIOR FILING DATE: 1998-07-27  
 NUMBER OF SEQ ID NOS: 33142  
 SEQ ID NO 1856  
 LENGTH: 2241  
 TYPE: DNA  
 ORGANISM: *Pseudomonas aeruginosa*  
 US-09-252-991A-1856

Query Match Score 3.5%; DB 4; Length 2247;  
 Best Local Similarity 50.0%; Pred. No. 0.095; Indels 0; Gaps 0;  
 Matches 122; Conservative 0; Mismatches 122; Delins 0;

Qy 217 TGAGCAAGGGCATCATCCAGAGACAGGATCATCCAGCTCCAGTCAGTGG 276  
 Db 1237 GCACTACTGGCATCATCCAGAGACAGGATGGGACCTGGCTGGCAGTC 1296

Qy 277 GTTGAAGGGCAGGGCCGGAGAACGCCAGGGCACATTACCGAGTACTGGCAC 336  
 Db 1297 CCAGCAACCCCTTCGCTGGCAGGCCAACCTGGCTGGCGAGTACAACCGCAT 1356

Qy 337 GCTCATGAGCTGGCCACCAAGATCTCCGGTGTCCCACCTCTCACTTCAGGT 396  
 Db 1357 CGGTCTGGCTGACCAACATATGGCCCTATACGATGTGGCGGGAGTACATCGA 1416

Qy 397 GCGC 400  
 Db 1417 CCCC 1420

RESULT 13  
 US-09-949-016-207  
 Sequence 207 Application US/09949016  
 Patent No. 6812339  
 GENERAL INFORMATION:  
 APPLICANT: VENTER, J. Craig et al.  
 TITLE OF INVENTION: KNOWN GENES ASSOCIATED WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF  
 FILE REFERENCE: CL001307  
 CURRENT APPLICATION NUMBER: US/09/949,016  
 CURRENT FILING DATE: 2000-04-14  
 PRIOR APPLICATION NUMBER: 60/241,755  
 PRIOR FILING DATE: 2000-10-20  
 PRIOR APPLICATION NUMBER: 60/237,768  
 PRIOR FILING DATE: 2000-10-03  
 PRIOR APPLICATION NUMBER: 60/231,498  
 PRIOR FILING DATE: 2000-09-08  
 NUMBER OF SEQ ID NOS: 207012  
 SOFTWARE: FastSEQ for Windows Version 4.0  
 SEQ ID NO 207  
 LENGTH: 2943  
 TYPE: DNA  
 ORGANISM: Human  
 US-09-949-016-207

Query Match Score 3.5%; DB 4; Length 2943;  
 Best Local Similarity 50.0%; Pred. No. 0.11; Indels 0; Gaps 0;  
 Matches 116; Conservative 0; Mismatches 0; Delins 0;

Qy 912 GGGGGGGCGCCGCCGAGGGCTGCATCCGCAACGGCACAGCATCCACGGGTCGC 971  
 Db 1525 GTGCGCCCGAACGGAACATGTGGCCACCCGAGCTCCAGCCGGCGCGCGC 1584

Qy 972 GAAAGGCCCTCAAGCGAGGAGCTATGCCGAAACGCTGTTCTGAGCAGGGAC 1031  
 Db 1585 GGGCGCGCTTAAGCTGGAAACCCGGCTGCGGGGGCGGGCGGGCG 1644

Qy 1032 GCGCAGGGCGGGGAGGAGGCCGAGGCCCCGTCGAGGAGGAGGGCGAGA 1091  
 Db 1645 GCGGGCGGGAGCCGCTGAGCCCTGGGGAGGGAGGGAGGGAGGGAGGG 1704

Qy 1092 CCCAGCGCTTAACCCGAGGGCGGTGCCCCGGCGGGAGGGCG 1139  
 Db 1705 CGGGCGGGAGCCGAGGAGGGCGACAAATCCGGAGCAAG 1752

RESULT 14  
 US-09-710-693-18  
 Sequence 18 Application US/09710693  
 Patent No. 6642370  
 GENERAL INFORMATION:  
 APPLICANT: WISE, CAROL A.  
 TITLE OF INVENTION: GENETIC MARKER FOR AUTOIMMUNE DISORDER  
 FILE REFERENCE: SEQ FOR TIX871  
 CURRENT APPLICATION NUMBER: US/09/710,693

CURRENT FILING DATE: 2000-11-08  
 NUMBER OF SEQ ID NOS: 19  
 SOFTWARE: PatentIn Ver. 2.1  
 SEQ ID NO 18  
 LENGTH: 1428  
 TYPE: DNA  
 ORGANISM: Homo sapiens  
 FEATURE:  
 NAME/KEY: CDS  
 LOCATION: (1) .. (1248)  
 US-09-710-653-18

Query Match 3.5%; Score 47.8; DB 4; Length 1428;  
 Best Local Similarity 54.4%; Pred. No. 0.15;  
 Matches 118; Conservative 0; Mismatches 97; Indels 2; Gaps 1;  
 Qy 459 TGCCTAAGATGCCAAGAGTACCGGAGAACATCACGGCCCATATCCTGAGAGT 518  
 Db 1033 TACACAGCCATCGCACTCGAGATCACGGAGAACATCACGGCCATACGGAAACCGGCC -CAGGAGT 1090  
 Qy 519 ACCGGCCATTGCCAACTAGGAAGAACCTCGGGCTCGAGATGGCTCTGTCCACGGGG 578  
 Db 1091 ACCGGGCCTCTAGGATATAAGGCTTAACAGGCGAGAACAGATGGACTGGACCTGTCGGAG 1150  
 Qy 579 ACCTGGTGAGGTGTTGAGAACAGGCTGAGAACAGGCTGAGTGGACTGGACCTGTCGGAG 638  
 Db 1151 ACATCCCTGGGGTGGATCTGGAGGGAGGGAGTGCTGGACTGTGGAGAACGGC 1210  
 Qy 639 AGCGGGCTGGATCCAGGCTCTCCCTCGAGCCCT 675  
 Db 1211 AGCTGGCTTCGTCGTCCTGGTACCTGGAGAGCT 1247

## RESULT 15

US-09-006-428A-18  
 Sequence 1.8, Application US/09006428A  
 Patent No. 644439  
 GENERAL INFORMATION:  
 APPLICANT: Jing Li  
 ATTORNEY: Wengqian An  
 APPLICANT: Kazuhisa Nishizawa  
 APPLICANT: Ellis L. Reinherz  
 TITLE OF INVENTION: CLONING AND CHARACTERIZATION OF A  
 TITLE OF INVENTION: CDC15-LIKE ADAPTOR PROTEIN (CD2BP1)  
 FILE REFERENCE: 1062.1020-000  
 CURRENT FILING DATE: 1998-01-13  
 NUMBER OF SEQ ID NOS: 28  
 SOFTWARE: FastSEQ for Windows Version 4.0  
 SEQ ID NO 18  
 LENGTH: 1803

TYPE: DNA  
 ORGANISM: Homo sapiens  
 FEATURE:  
 NAME/KEY: CDS  
 LOCATION: (440) .. (1630)  
 US-09-006-428A-18

Query Match 3.5%; Score 47.8; DB 3; Length 1803;  
 Best Local Similarity 54.4%; Pred. No. 0.15;  
 Matches 118; Conservative 0; Mismatches 97; Indels 2; Gaps 1;  
 Qy 459 TGCCCAAAGATGCCAAGAGTACCGGAGAACATCACGGCCCATATCCTGAGAGCT 518  
 Db 1415 TACACAGCCATCGCACTCGAGAGAACATCACGGCCATACGGAAACCGGCC -CAGGAGT 1472  
 Qy 519 ACCGGCCATTGCCAACTAGGAAGAACCTCGGGCTCGAGATGGCTCTGTCCACGGGG 578  
 Db 1473 ACCGGGGCTCTAGGATATAAGGCGAGAACCCAGATGGCTGACCTGTCGGGGAG 1532  
 Qy 579 ACCTGGTGAGGTGTTGAGAACAGGCTGAGAACAGGCTGAGTGGACTGGACCTGTCGGAG 638  
 Db 1533 ACATCCCTGGGGTGGATCTGGAGGGAGATGGCTGTTGAGACTGGAGGGC 1592

Qy 639 AGCGGGCTGGATCCAGGCTGCTTCTCGAGCCCT 675  
 Db 1593 AGCGGGCTGGCTCCCTGGTCTACCTGGAAAGCT 1629

Search completed: April 25, 2005, 08:51:21  
 Job time : 276 secs